SNOWFLAKE

SINGLE AXIS TOLERANCE





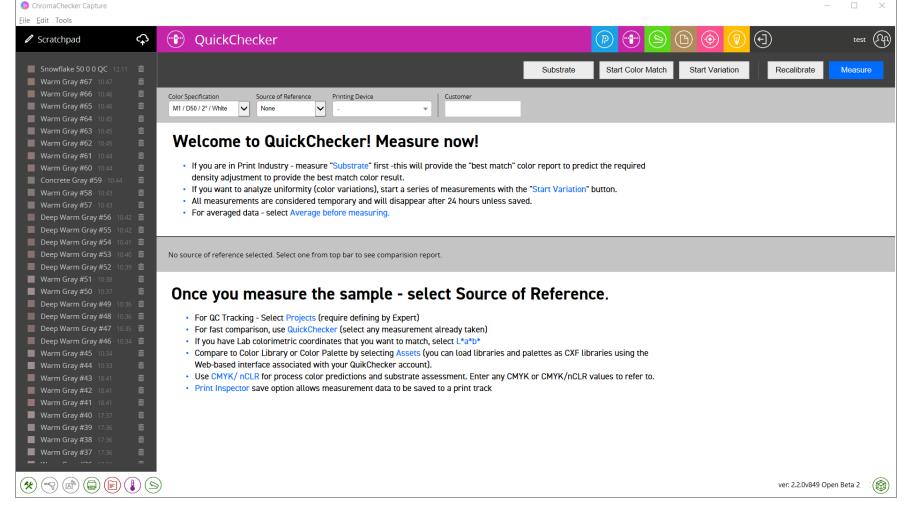
Open Capture – Color Inspector

	Connect	Problems ?
Organization Name: Nazdar_EFI	Instrument: X-Rite i1Pro	~
Frequent Calibration Auto-connect on Application Place the	on Start	rget.
Close		Connect

NAZDAR

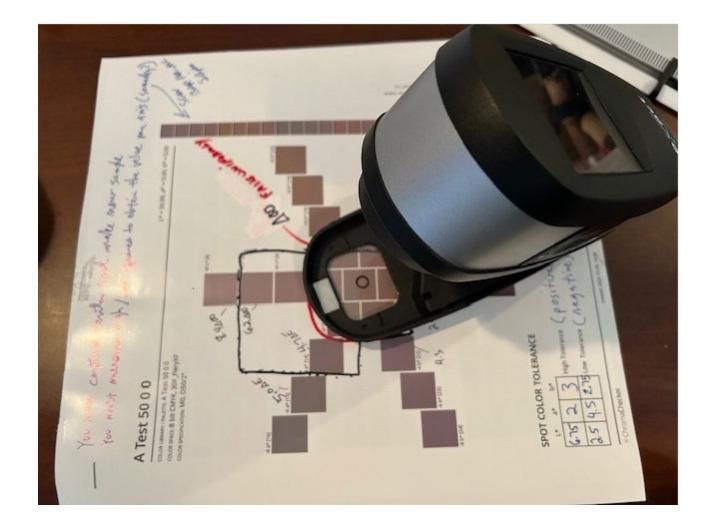
Navigate to QuickChecker







Measure now! Center of sample Snowflake



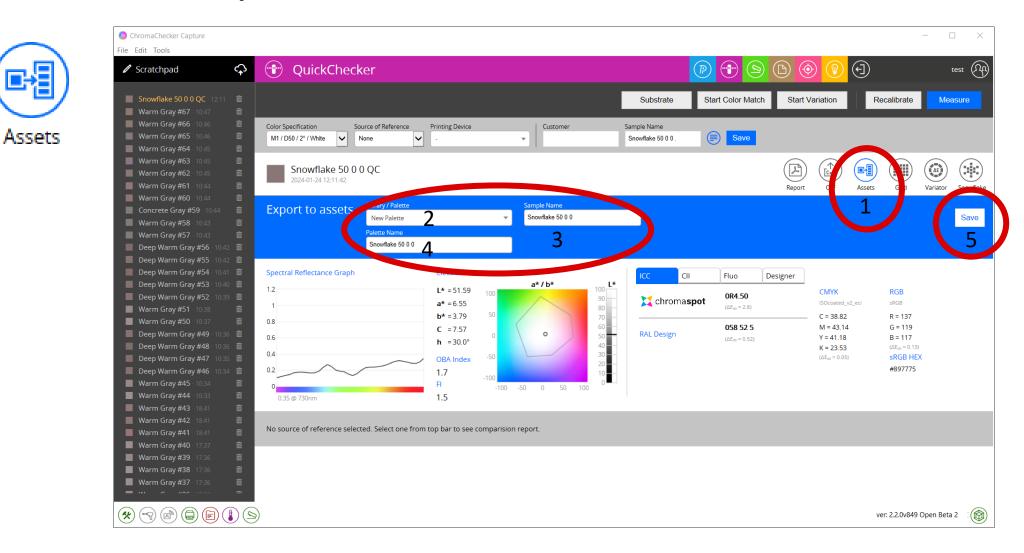


Name sample "Snowflake 50 0 0", Click "Save"

ChromaChecker Capture <u>File <u>E</u>dit Tools</u>											_	\times
Scratchpad	QuickChecker						b				te	est An
Snowflake 50 0 0 sample					Substrate	Start Color Match	Start Va	ariation	Re	calibrate	Meas	sure
	Color Specification Source of Reference M1 / D50 / 2° / White None	Printing Device	▼ Customer		Sample Name Snowflake 50 0 0 sample	=	5					
	Snowflake 50 0 0 sample 2024-01-23 14:23:19				1	2	Report	([[]] CxF	Assets	Grid	Variator	Snowflake
	Spectral Reflectance Graph	CIELab L* = 51.67 100 a* = 6.48 b* = 4.32 50 C = 7.79 0 h = 33.7° 0 OBA Index -50 100 FI100 FI	o	100 90 70 60 40 20 10 0	ICC CII CMYK ISOcoated_v2_eci C = 38.82 M = 42.75 Y = 41.57 K = 23.53 (ΔE ₁₀₀ = 0.05)	Designer RGB sRGB R = 137 G = 119 B = 116 (ΔE _m = 0.13) sRGB HEX #897774						
	No source of reference selected. Select one from t	top bar to see compa	rision report.									
)								ve	r: 2.2.0v849 ()pen Beta 2	2



Click Assets to export measurement to ChromaChecker Color Pallete



Flip over the ChromaChecker to see your new Asset

v.chromac	checker.com/color/en/start					Q
💡 Maps	O SESDoc C Travel Home S R-NET Pro - R-Net P intel	Edges of the Deskto 🐠	How to generate a			
	Back to Welcome screen			Nazdar_EFI	TOOLS	4 ? 7
	Scolor Inspector	Proje	ects	Assets	Tr	acking
	Global Preferences 🔗		19	ι	UTs Public Library	🚺 🛛 Add new 😛
	Color Search					
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	Palette Name	Creator	Process	Substrate	Finish	Samples
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			Offset Litnography	Coated Paper	None	з Q
C	🗆 🎧 Snowflake 50 0 0 palette					1 9
1000	Color Libraries					
	Library Name	Creator	Process	Substrate	Finish	Samples
	2 ORANGE P2P51 (i1Pro-i1iO) ROW 4-5	X-Rite - Prism				100 🔍

ChromaChecker / Color Inspector / Assets / Snowflake palette

>	G 😳	chromache	cker.cor	n/color/en/	library/Na:	zdar_EFI/	/5905											· .	Ċ	± □	ļ
ail	YouTube	💡 Maps	0	S ESDoc	C· Trave	l Home	🗊 R-NET	Pro - R-Net F	intel	Edges of the	Deskto	<i>efi</i> How	to genera	te a							A
		A Back to C	olor Insp	ector										Nazdar	_efi (<u>î</u>)	*	TOOL	S) (7)	
	<u>و</u>	Snow	flak	e 50 (0 0 p	alet	te			Pro	jects			Ass	ets			Trac	king		
8	Glot	bal Preferenc	es 😤													Edit P	Palette 😤	Ado	d new sam	ple 🕂	
		/flake 50	-																		
20		ChromaChecker	r Capture ·	Created: 2024-(01-23 12:42:3	6 · Operator	r: Default Ope	rator - Print Pr	ocess: Offs	et Lithography	· Substrate T	ype: Coated	Paper · Sur	face Finish: Nor	ie ·					_	
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	S	elect opposite																		_	
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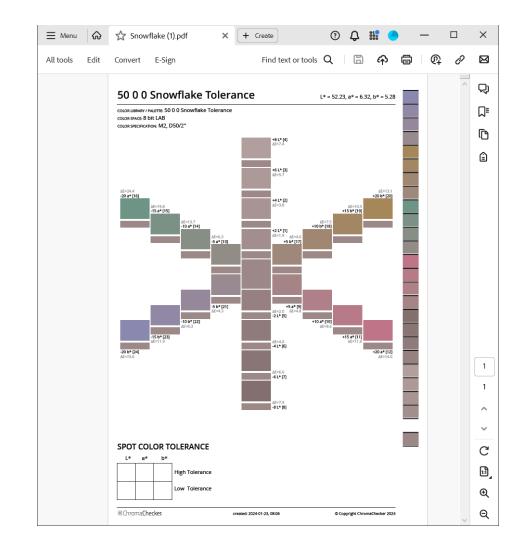


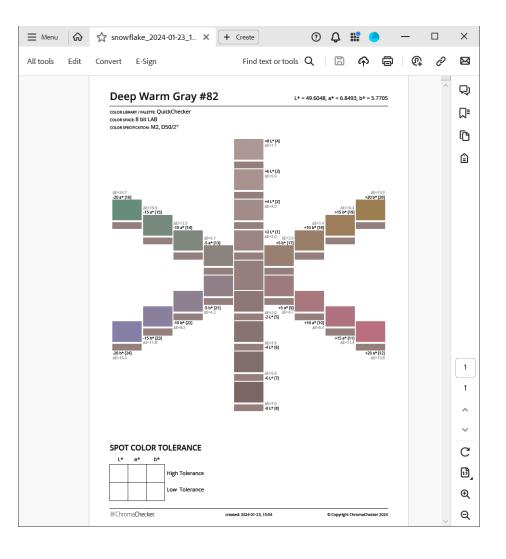
Click Snowflake – Brief explanation of various settings

ChromaChecker Capture <u>File Edit Tools</u>												- 🗆	\times
Scratchpad	🐨 QuickChe	cker						P S) 🔞 (Ð	test	29
SnowFlake 50 0 0 · 12-51							Substrate	Start Color Matc	h Start Va	ariation	Recalibrate	Measure	
	Color Specification M1 / D50 / 2° / White	Source of Reference	Printing Device		▼ Customer		ample Name SnowFlake 50 0 0					1	
	SnowFlake 50 2024-01-24 12:51:28	0 0							Report	$\overbrace{\begin{bmatrix} x F \\ x F \end{bmatrix}}^{(\uparrow)}$	Assets Grid	riator Snow	
	Snowflake	PDF Color Space L*a*b Color Depth 16 bit		>	Snowflake distribution Fine Medium Coarse Custom	✓ Show.	ΔE _{oo} : Comparison					Downloa	ad
	Spectral Reflectance Grap	h	CIELab L* = 51.83 a* = 6.59 b* = 3.76 C = 7.59 h = 29.7° OBA Index 1.7 FI 1.5	100 50 -50 -100 -100 -1	a*/b*	100 90 80 70 60 40 20 20 10 0	ICC CII CMYK ISOcoated_v2_eci C = 38.82 M = 43.14 Y = 40.78 K = 23.14 K = 23.14 (ΔEm = 0.05)	Fluo RGB sRGB R = 138 G = 120 B = 117 (ΔE ₈₀ = 0.47) sRGB HEX #8A7875	Designer				
	No source of reference se	lected. Select one from	top bar to see co	mparision r	eport.								
)										ver: 2.2.0v849	Open Beta 2	(



Snowflake Lab space – Same results generated from Color Tools & Scratchpad

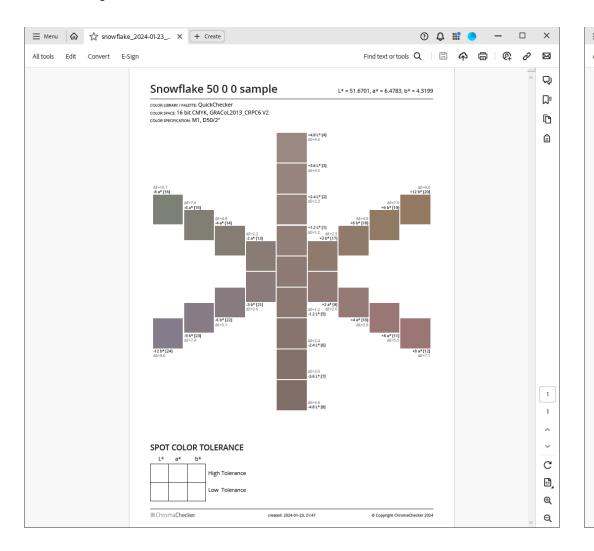


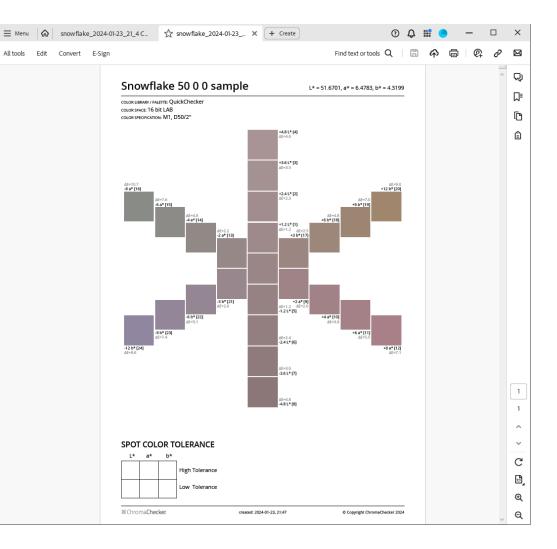




Lab Space and Device

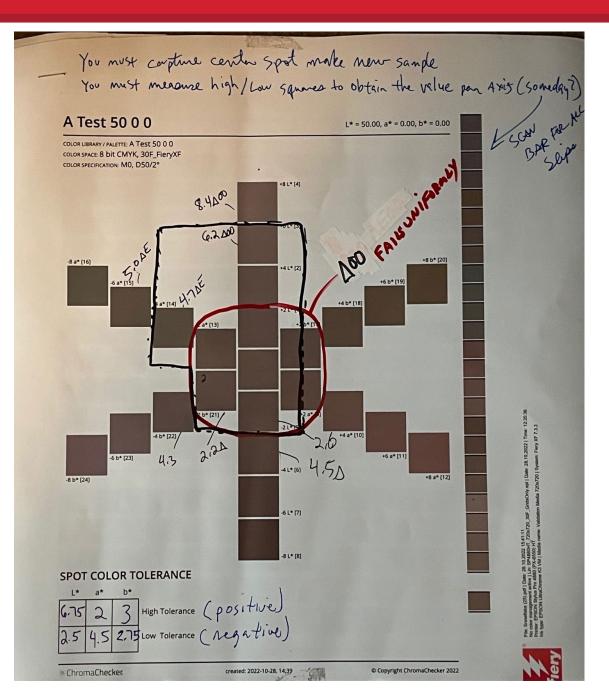
CMYK Space







Tolerance Time!





Measure the Delta's in Scratchpad

ChromaChecker Capture File Edit Tools						- 🗆 X
Scratchpad	QuickChecker			D 📀 🔞	Ð	test An
■ Deep Warm Gray #7 · 16.05		Substrate	Start Color Match	Start Variation	Recalibrate	Measure
Warm Gray #5 - 16:03	Color Specification Source of Reference Print M1 / D50 / 2° / White Image: Assets Image: Assets Image: Assets	ting Device	Customer	Sample Name Snowflake 50 0 0 sample		
Snowflake 50 0 0 sample 📋	Snowflake 50 0 0 sample 2024-01-23 14:23:19			\bigcirc \bigcirc \bigcirc	Assets Grid Varia	
	1.2 1 0.8 0.6 0.6 0.4	<pre>#ELab * = 51.67 * = 6.48 20 * = 4.32 10 : = 7.79 5 = 33.7° 0 BA Index -5 -10 -15 -10 -5</pre>	a*/b* 60 55 54 52 50 48 44 44 42 0 5 10 15 20 25	ICC CII CMYK ISOcoated_v2_eci C = 38.82 M = 42.75 Y = 41.57 K = 23.53 $(\Delta E_{00} = 0.05)$	Designer RGB R = 137 G = 119 B = 116 (\Delta E = 0.13) SRGB HEX #897774	
	Library / Palette Sample Snowflake 50 0 0 palette V Autorecognition	▼				
	Snowflake 50 0 0 sample	Density C	olorimetry Deltas	Metamerism		
	ΔΕ ₀₀	ΔE ₀₀ ΔE _{94 GA}	0.0	+L		
	<u>^</u>				ver: 2.2.0v849 (Open Beta 2 🔞



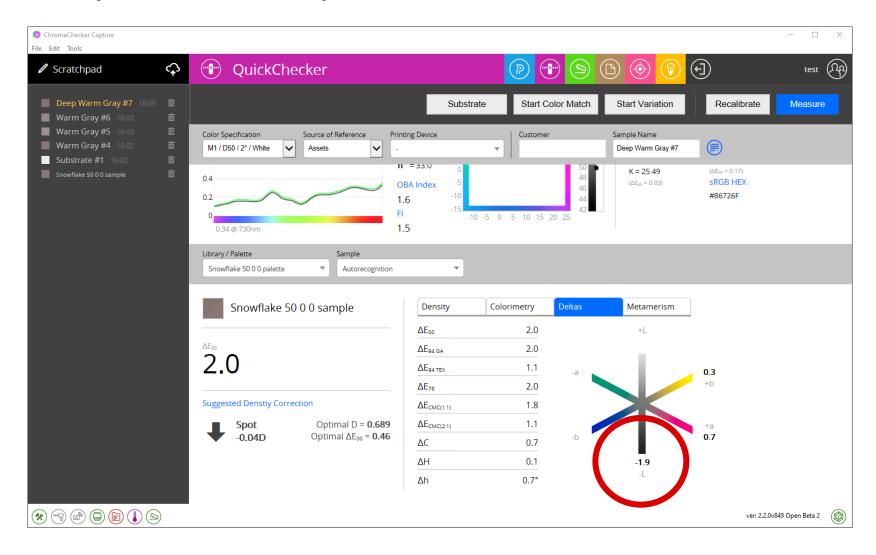
L+ Upper limit (Inside Perimeter)

Scratchpad	🗘 👕 QuickC	hecker				D 📀 🔞	(\cdot)	test (A)	
 Warm Gray #6 · 16:03 Warm Gray #5 · 16:03 			Substrat	te Start Co	lor Match	Start Variation	Recalibrate	Measure	
Warm Gray #4 · 16:02 Substrate #1 · 16:02 Snowflake 50 0 0 sample	Color Specification M1 / D50 / 2° / White	Source of Reference Prin Assets V	ting Device	Customer		Sample Name Warm Gray #6			
Snowflake 50 0 0 sample	0.8 0.6 0.4 0.2 0	0 2 FI	-15 -10	-5 0 5 10 15 2	56 54 52 50 48 46 44 42 25	C = 35.29 M = 37.25 Y = 34.90 K = 16.08 ($\Delta E_{co} = 0.03$)	R = 151 G = 137 B = 136 (AEm = 0.18) SRGB HEX #978988		
	0.42 @ 730nm Library / Palette Snowflake 50 0 0 palett	Sample	.0						
	Snowflake	50 0 0 sample	Density	Colorimetry	Deltas	Metamerism			
	ΔE00		ΔE _{94 GA}	6.6		+∟ 6.6		SPOT COLOR TOLERANCE	E
			ΔE94 0	3.8				L* a* b*	Consit
	6.6				-a 🛌			6.75 2 3 High Toleran	ce (DU)
	6.6		ΔE ₇₆	7.1	-1.4		+b		
	6.6 Suggested Denstiy Co	prrection	ΔE ₇₆ ΔE _{CMC(1:1)}	7.1 6.6	-1.4	X	+b	6,75 2 3 4,5 2,75 Low Toleran	ce (rega-
	Suggested Denstiy Co	Optimal D = 0.699			-1.4	×	+b +a		
	Suggested Denstiy Co		ΔE _{CMC(1:1)}	6.6		\mathbf{k}	+b +a	2.5 4.5 2.75 Low Toleran	ce (Aeg &

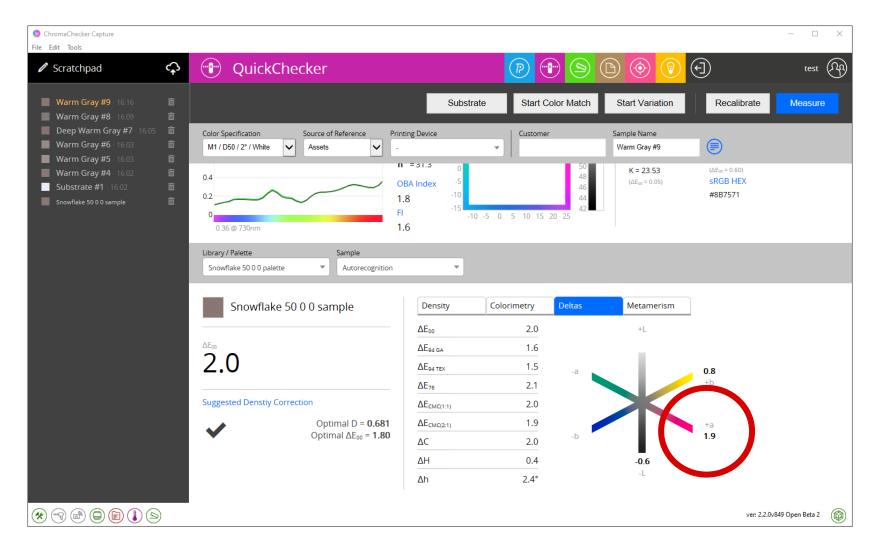
8 L* [8]



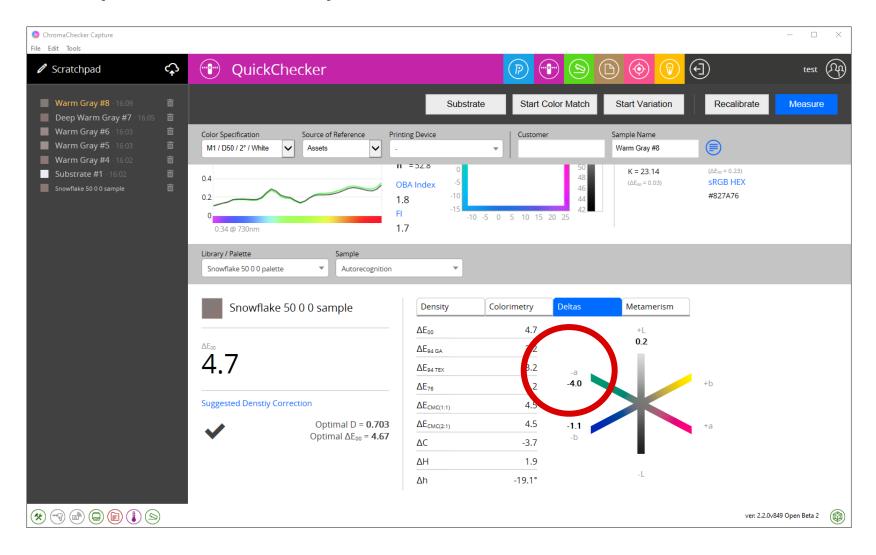
L-Lower limit (Inside Perimeter)



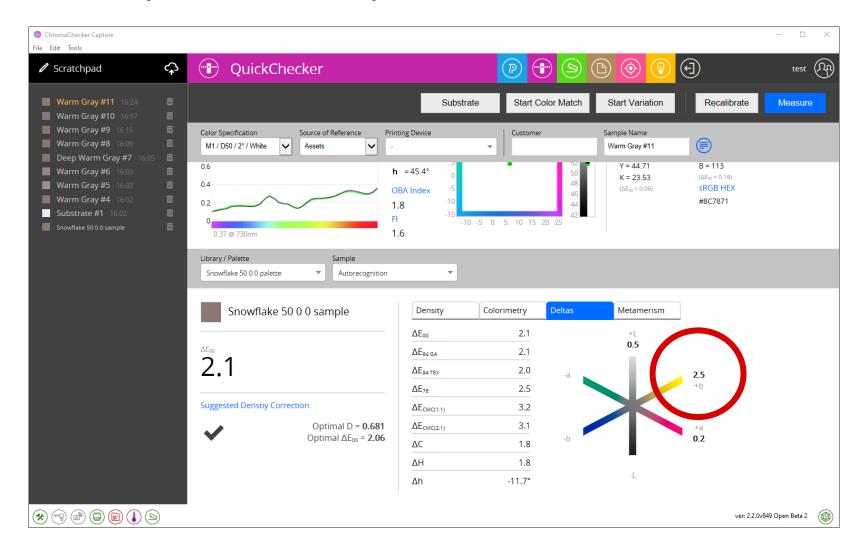
A+ Upper limit (Inside Perimeter)



A-Lower limit (Inside Perimeter)

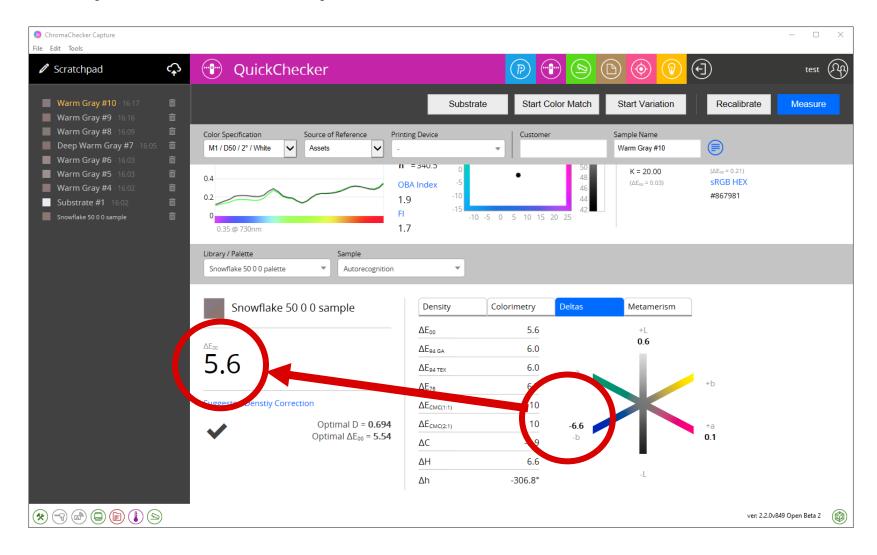


B+ High Tolerance (Inside Perimeter)





B- Lower limit (Inside Perimeter)



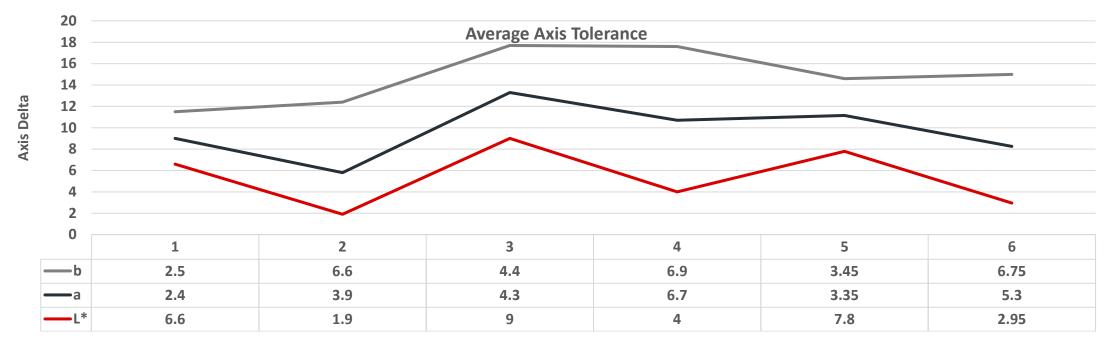


Average Tolerance

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		ter {POS}		9			4.3	4.4		High Tolerance								
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	ge {POS} ge {NEG}			7.8			.35 5.3	3.4		High Tolerance Low Tolerance					~	Line		
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Axis Delta		1	2	3	4	5	6	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh					
Axis Delta	AXIS Delta 10 5	1 2.5	2	3 4.4	4	5 3.45	6.75	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh				2	
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Axis Delta	AXIS Delta 10 5	1 2.5	2	3 4.4	4	5 3.45	6.75	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh				2	
Axis Delta	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*			0.5*-0.00 E	Jul wh				2	
Axis Delta	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh				2	
Axis Delta	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh					
	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh					
	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh					
Axis Dele	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh				2	
	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*		L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh				2	
	AXIS Delta 10 5	1 2.5 2.4	2 6.6 3.9	3 4.4 4.3	4 6.9 6.7	5 3.45 3.35	6.75 5.3	A Test	50 0 0 Multite A Test 50 0 0 Dir CMYK 30F_FleryXF Ione M0, DS0/2*	8 420 6 2 200 6 2 200 7 2 2000 7 2 200 7 20	L* = 50.00, a* = 0.0	0.5*-0.00 E	Jul wh				2	

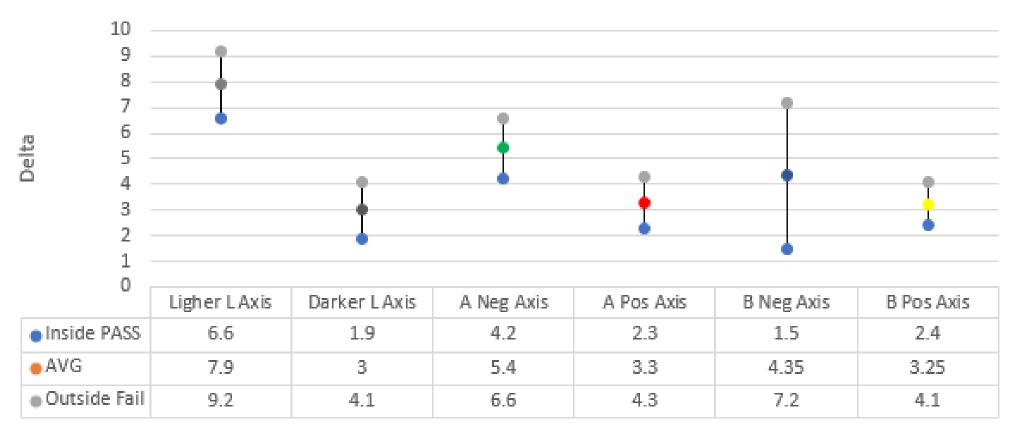
Inside – Outside / Average Axis Tolerance

	L*	а	b	
Inside Perimeter {POS}	6.6	2.4	2.5	High Tolerance
Inside Perimeter {NEG}	1.9	3.9	6.6	Low Tolerance
Outside Perimeter {POS}	9	4.3	4.4	High Tolerance
Outside Perimeter {NEG}	4	6.7	6.9	Low Tolerance
Average {POS}	7.8	3.35	3.45	High Tolerance
Average {NEG}	2.95	5.3	6.75	Low Tolerance





Vertical look at tolerncae



Snowflake Tolerance



Show more steps to add snowflake tol



Time to update the asset tolerance with the average

← → C ² chromachecker.com/color/en/edit_sample/1429422		🖈 🖪 한 🛛 😩 :
G Gmail 💶 YouTube 💡 Maps 🔕 SDoc 💽 Travel Home 🤹 R-NET Pro - R-Net P 🚧 Edges of t	the Deskto of How to generate a	🛅 All Bookmarks
Spownak Add new Tolerance	Naschitz Est. (B) (B) /// 10613 (S)	B B B
Stowtble 50 00 page Formula	Advanced	
Function ΔL* Δa* Δb* (snowflake)	Measurement Conditions M1	
Name and description +L*	Illuminant D50 V	
6.6 Snovšieké 50.6.6 sampe	Observer 2 degree V	₩ 0-0 = 66+ c' =
Calculation settings benefy variatings		
6.6 -b* 2.0 +a*	-	
1.9 - L*		
	ADD	
All		a 📷 2 333 ChiofnaCheckor

Make sure your tolerance was saved correctly

Back to Color Ins	nortor			8	Nazdar_EFI <u> (%</u>	TOOLS (A) (?)
Snowflak	te 50 0 0 palette	e	Projects		Assets	Tracking
Global Preferences 🔗	<u>1</u>				Edit	t Palette 🧏 🛛 Add new sample
Snowflake 50 0 0 p	alette 1 samples					
	- Created: 2024-01-23 12:42:36 - Operator: [Default Operator · Print Process: O	ffset Lithography - Substrate Type: (Coated Paper · Surface Fi	nlsh: None ·	
Search						
Sample:	M. Cond. MO 🗸 M	iode LAB 🗸 L*	a* b*	within ΔE	0	ΔE 2000 Clear C
ID	Name	Projec	cts Track L*	a* b* Ma	. error Avg. error III./Ob	ns. / F M0 M1 M2 M
Snowfla	ke 50 0 0 sample	0	51.64	6.43 4.79	D50/2	2° 40 1111 1111 1111
Select opposite						



Quick test to make sure it's working before we setup a project or track

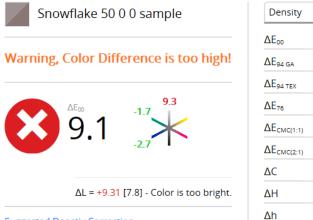
ChromaChecker Capture ile <u>E</u> dit Tools							- 🗆
🖉 Scratchpad	QuickChecker		P 😷	9 (2)) 📀 🔞 (Ð	test (
■ Warm Gray #39 · 17:36		Substrate	Start Co	lor Match	Start Variation	Recalibrate	Measure
 Warm Gray #37 · 17:36 Warm Gray #36 · 17:36 Warm Gray #35 · 17:20 	Color Specification Source of Reference Printin M1 / D50 / 2° / White Assets -	g Device	▼ Customer		iample Name Warm Gray #39		
Warm Gray #34 - 17:19 	0.8 C = 0.6 h = 0.4	= 2.26 10 = 5.68 5 = 23.5° 0		56 54 52 50 48	C = 35.29 M = 37.25 Y = 34.90 K = 16.08	R = 151 G = 137 B = 137 (ΔE ₀₀ = 0.33)	
Warm Gray #31 - 17:10 Marm Gray #30 - 17:09 Warm Gray #29 - 17:01 Concrete Gray #28 - 17:01 Warm Gray #27 - 17:00 Warm Gray #27 - 17:00 	0.2 0.42 @ 730nm 2.0	-10 -10 -15 -10 -5	0 5 10 15 20	46 44 42 0 25	(ΔE ₀₀ = 0.02)	sRGB HEX #978988	
Warm Gray #27 7300 1 Warm Gray #26 17:00 1 Deep Warm Gray #25 16:59 1 Warm Gray #24 16:59 1	Library / Palette Sample Snowflake 50 0 0 palette Autorecognition	×					
Deep Warm Gray #23 - 16:57 📋 Deep Warm Gray #22 - 16:56 📋	Snowflake 50 0 0 sample	Density	Colorimetry	Deltas	Metamerism		
Warm Gray #21 ⋅ 16.54 □ Warm Gray #20 ⋅ 16.53 □	Warning, Color Difference is too high!	ΔE ₀₀	6.7		+L (7.8) 6.7		
Warm Gray #19 ∘ 16:51		ΔE _{94 TEX}	3.8	-a (5.3)			
Warm Gray #17 · 16:45		ΔE ₇₆	7.1	-1.3		+b (3.45)	
Warm Gray #15 · 16:44	6.7 🔭	ΔE _{CMC(1:1)}	4.0			(2.25)	
Warm Gray #13 · 16:44 💼		ΔC	-2.1	- 2.1 -b (6.75)		+a (3.35)	
Warm Gray #12 · 16:41	Suggested Denstiy Correction	ΔH	1.2				
Warm Gray #10 - 16:17	Spot Optimal D = 0.697 +0.13D Optimal ΔE ₀₀ = 1.01	Δh	10.2°		-L (2.95)		
						ver: 2.2.0	v849 Open Beta 2 (

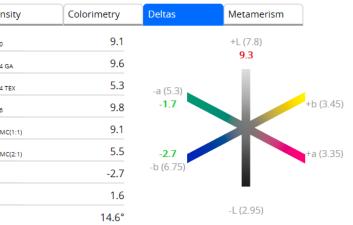


Everything is working!



Library / Palette Sample
Snowflake 50 0 0 palette Autorecognition





Suggested Denstiy Correction



Optimal D = **0.696** Optimal ∆E₀₀ = **1.26**

27



Build a Track and Project

→ C 25 chromachecker.com/pi/en/system_overvie	ew				☆ 🔼 🖸 🔲
Gmail 💶 YouTube 💡 Maps 🔘 🔇 ESDoc 🖸 Travel	Home 🗿 R-NET Pro - R-Net I	P intel Edges of the Deskto of How to	generate a		C All
Back to Welcome screen			Nazdar_EFI	🗶 TOOLS	() (†
Print Inspector			Projects	Measu	rements
Devices Locations Departments	Tolerances OK Sheets I	File Parsers My Jobs Shared Jobs	Add new Track 🕂	Add new Device 🔒	Device Wizard 🕂
By Locations	ations) Departments	nting Process 🛞	All references	SUBMIT
Default Location			Collapse	Expand E Unche	ck All 🔲 Check All 🔽
▼ EFI Pro 24f LED Wide Format Flatbe	? ጰ				
Track Name	Files 👰	Reference Printing Conditions	Substrate		leas. 📴 🏏
Track Name	Files 👰	SCCA GRACOL2013_CRPC6 V2	Substrate		onths 1.8 Q
Track Name	Files 👰		Substrate		
Track Name	Files 🝥 35 3.0 🗘 🛠 0 5.0 📿 🛠	SCCA GRACoL2013_CRPC6 V2 ChromaChecker_WideGamut	Substrate		onths 1.8 Q
Track Name Image: Constraint of the state of	Files Image: Constraint of the second se	SCCA GRACoL2013_CRPC6 V2 ChromaChecker_WideGamut	Substrate	5 m	onths 1.8 Q
Track Name Constant Strack Template Tetting with Larry Snowflake 50 0 0 Constant Uterconstant Wide Format Inkjet Print	Files <table-cell> 35 3.0 📿 % 0 5.0 📿 % 0 3.0 📿 %</table-cell>	SCCA GRACoL2013_CRPC6 V2 ChromaChecker_WideGamut SCCA GRACoL2013_CRPC6 V2		5 m	onths 1.8 Q



Add Substrate

ChromaChecker Capture <u>File</u> <u>Edit</u> Tools				- 🗆 X
+ New Substrate	🕒 Substrate Inspe	Averaged Measurements	b () (test 🕅
snowflake	Backing Substrate	(\diamond,\diamond)	Measure	
	Last measurements	Re-position and start measurement		+ Add new measurement
		To create more representative data, change the position of the instrument to another location in the sample.	ubstrate yet.	
		Ready for sample location 2 of 3. Max. ΔΕ: 0.000 Avg. ΔΕ: 0.000		
		Cancel		



Update Track preference "Color Palette & Substrate Library"

Back to Track						100LS (A) (
Print Ins	spector			Projects		Measurements
Devices Locations	Departments Tolerances	OK Sheets File Parsers M	My Jobs Shared Jobs			
Calculation						
Changes made in calculati	ion tab will affect only new uploaded fi	les.				
Calculate to	Current OK sheet (accuracy)	Current baseline (variation)	CMYK / nCLR ICC profile	RGB profile	SCC	A
ICC profile	•		GRACol 2013_CRPC6 🝷] [-	- C	Dn 🗸
TVI	G7® Native CMY	Setter settings	Substrate library			
Colorimetric	▼ Off ▼]	snowflake			
Inkzones						
		This device does not h	have number or mixzones defined.			
Spot Colors and nC	CLR					
Spot reference source	Color Palette	olor Library				
Prioritize Palette an	Snowflake 50 0 0 pal 👻	· ·				
roleranes						
E-Factor Expectation Linit	t Pl tolerance set					
8	- •	,				



Build a Control Strip and Scanning Template

Back to Other Tools			Nazdar_EFI <u>(</u>) 🛠	TOOLS	4 ? 9
🐨 Capture	Control Strips	Scanning Templates	Measurement Tasks Ir		iments
	-		View Control Strips Publ	lic Library 🔟	Control Strip 🕂
Download 👜 Manual	 Create your control strip or import it from Public Library. You may upload existing patch list (cgats txt), add patches from custom Color Pallete or Library, and much more. 	 Create Scanning Template - link control strip and instrument of a selected type. Define patch dimension and additional parameters that are required by an instrument. 	 System will create links to all your tracks automatically - You can manage list by disabling unwanted connections and assign aliases if necessary 	4. Manage Your registe	ered Instruments
Control Strips					
ChromaChecker Print Inspector	Add Color Lib	orary/Palettes			×
Name	Color Library/Palette				- 11
CC-84 3R horizontal	SI Snowflake 50 0 0 pal	lette			✓
	Color Selection				
	import whole library				<u> </u>
	Tint 100				
	-		Add		



Finish the Control Strip "Save"

Back to Control Strips					Nazd	ar_EFI \Lambda 🛠	TOOLS	(ج) (ف)
Upload Add Library	Add Substrate	Add CMYK	Add Spot	Add RGB	Add L*a*b*	Add DUD	Scramble	Reset
Add new Contro	ol Strip							
Control Strip Info		Control Stri	p Layout		nCLR S	ettings		
Name Snowflake 50 0 0		Patches 1			CMYK /	nCLR ICC		~
Vendor My library	~	Rows						
Print								
Description				Patch grid Transform:	d K la うで			
Copyrights	~						A	
			Sa	ve				
Patch list								
ID Type X 1 Spot	Special Spot	t name	100					



Build Scanning Template – Link to Control Strip

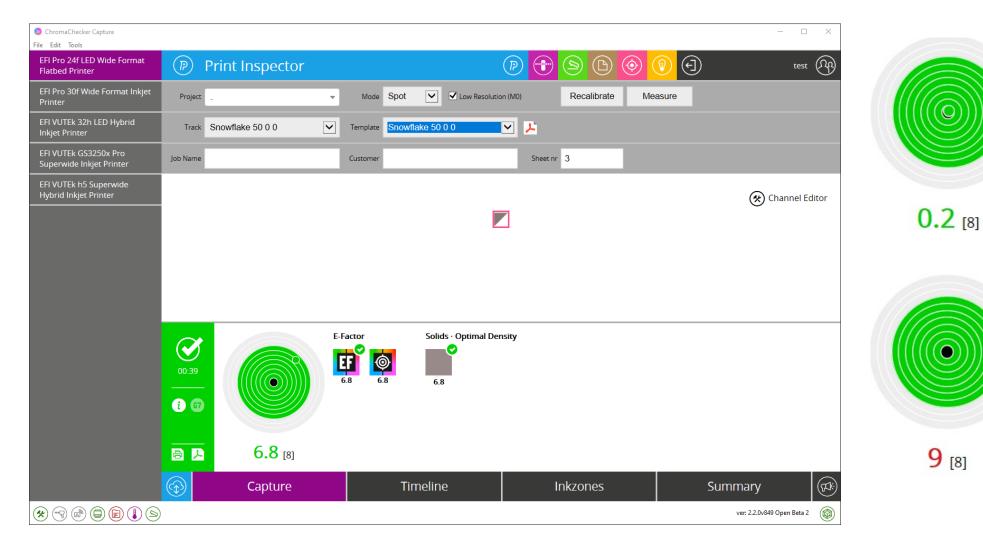
Back to Scanning Templates			Nazdar_EFI <u>(</u>) 🛠	TOOLS (A) (? (F)
Capture	Control Strips	Scanning Templates	Measurement Tasks	Instruments
			View Templates Public Librar	y 🕕 Scanning Template 🔒
Add new Scanning Template				
Template settings			Instrument Specific	
Template name Snowflake 50 0 0	Instrument X-Rite i1Pro 3	~	Patch Width [mm] 20 Patch Height [mm] 20	
Control Strip			Horizontal Gap [mm]	
Control Strip			٥	\$
	~		Vertical Gap [mm] 0	
Add horizontal white patches at beginnning and at Add vertical white patches at beginnning and at the			Absolute coordinates for prede	fined positioning (optional)
			X	MPLE OF THE TEST CHART
			x y	Y
		SAVE		



Track setup complete - Test



6.8 [8]



9 [8]

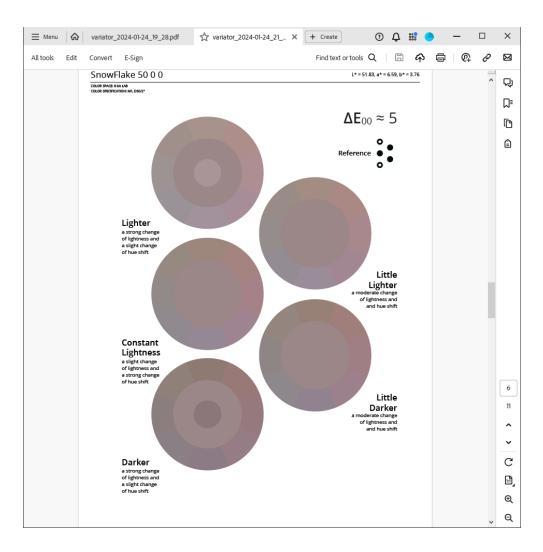


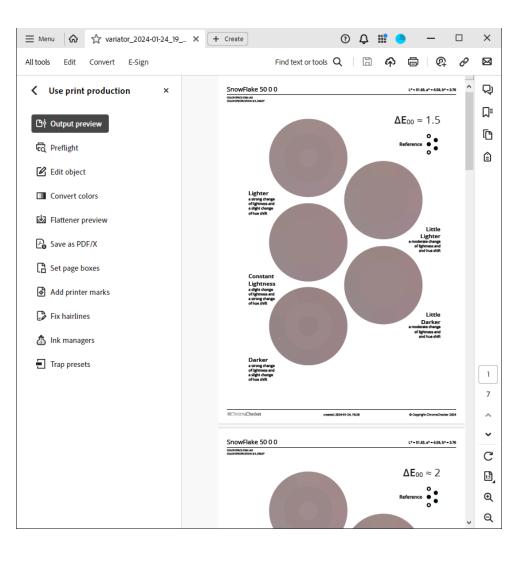
This completes Snowflake

Back to Track				Nazdar_EFI <u> (</u>	TOOLS (A) (?) (F)
Capture - X-Rite i1Pro 3 sn. 2020212 - 2024-01-23 18:55: 58		Summary Accuracy to tar		Within Sheet Variation	n Ink zones
		Patch list Substrate Inspector			e Visualizer (beta)
Measured: 2024-01-23 18:55:58 Oper	ator: Default Operator	ICC Profile	PDF label Create LUT	Edit Match ICC	Export TVI Curve G7® Curve
	ASS None	AIM: GRACoL2013_CRPC6 V2 (DEVICE: EFI Pro 24f LED Wide Forr TRACK: Snowflake 50 0 0 SHEET #: 2		MODE: M. COND: BACKING: HARMONIZER:	Production M1 /dry white OFF
Warnings					
No substrate found.					
Details	999999999999	Spots			
spotsE-Factor	✓	SNOWFLAKE 50 (SAMPLE $\Delta E_{00} = 2.06$	Δε 5	Ink GPS	
Accuracy E-Factor	2.1	nfo			
		File name Capture - X-Rite i1Pro Color bar Snowflake 50 0 0	3 sn. 2020212 - 2024-01-23 18:55:58	3	



Variator







Project Inspector – Step 1 – Add Track Template

K Back			Nazdar_EFI <u>(</u>) 🛠	TOOLS (A) (?) (5)	
		P Back to Print	Mu Drojosta	Charad Drainste	
left Project Inspector		leftilde Back to Color	My Projects	Shared Projects	
Global Preferences 🔗 Print Service Providers	Print Buyers Track Templates			Add Track Template 🔒	
Add new Track Template					
Track Info	Reference		Additional Libraries		
Name	Calculate to:		Color Library or Palette is requi		
Snowflake 50 0 0 Track Template	ICC profile	~	colors and You are not able to o a case for some devices).	lefine Control Strip (that might be	
Description	CMYK / nCLR ICC Profile		Color Palette		
	GRACoL2013_CRPC6 V2	~	Snowflake 50 0 0 palette	~	
	RGB ICC Profile		Color Library		
1		~	-	~	
Tolerance	SCCA		Advanced		
Tolerance Set	Testform		Measurement Conditions		
- •	Default Control Strip		M1	~	
Desired E-Factor	Snowflake 50 0 0	~	Backing		
1			white	~	
			TVI		
			Colorimetric	~	
			G7® Native CMY		

Off

~



Project Inspector – Step 2 – Add New Project

Back to Projects		Nazdar_EFI <u> (</u> X)	TOOLS (A) (?) (F)
Inspector	Back to Print	My Projects	Shared Projects
B FIOJECT INSPECTOR	left Back to Color	inty Projects	Shared Projects
Global Preferences 🧏 Print Service Providers Print Buyers Track Templates			
Add new project			
Project Info			
Project Name			100
Snowflake 50 0 0 Project			
	ADD		



Step 3 – Link Track Template to Project "Snowflake 50 0 0 Project+

K Back to P	rojects			Nazdar_EFI <u>(</u>)	TOOLS	4?9
🛞 Project Inspector			Back to Print	My Drojact	r Cha	rad Draiasts
% Proje	ectinspector		Back to Color	My Project	S SIId	red Projects
Global Preference	ces 沒 Print Service Provi	iders Print Buyers Track Templates		Add Capture Job 🔒	Add Substrate 🕂	Add Sample 🕂
Project: S	nowflake 50 0 5:49:22 - Modified:	0 Project				SAVE
	Assets	My Devices	PSP Sharing (0/	1)	Measurem	nents
Track Templa Snowflake 50 0 0 Reference CMYK ICC Profile Control Strip Tolerance E-Factor Project name	Track Template ICC Profile GRACoL2013_CRPC6 V2 Snowflake 50 0 0	~				
Snowflake 50 0 0 Project descri						
rojectuesch	pton					

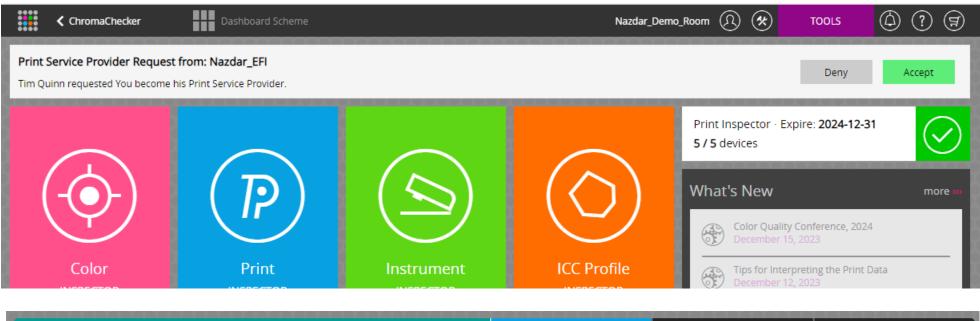


Step 4 – Add PSP

Back to PSP		Nazdar_EFI <u>(</u>) 🛠	TOOLS	۲ (۱)
🛞 Project Inspector	Back to Print	My Projects	Shared Projects	
S Project inspector	Back to Color	My Projects	Slidie	a Projects
Global Preferences 😵 Print Service Providers Print Buyers Track Templates				Add PSP 🕂
Add PSP that already has ChromaChecker:	Invite new PSP to ChromaCh	ecker:		
ChromaChecker Login [*]	Your account cannot Invite PSP to	ChromaChecker. Please check our	store for Bran	d Owner license
Nazdar_Demo_Room				
SEND REQUEST				



Step 5 – PSP Must Accept Invitaion



Project Increator	P Back to Print	My Drojocta	Charad Draiacta
Project Inspector	left Back to Color	My Projects	Shared Projects
Global Preferences 🤔 Print Service Providers Print Buyers Track Templates			
Your Print Buyers:			
Print Buyers can share You projects. If any of Your Print Buyers, shares You new project, You will get en will result in sending measurement copy to a print buyer. You may choose to send all project measure			above. Printing shared project
Print Buyer login Contact person	Contact e-ma	il Share	e measurements
Nazdar_EFI Tim Quinn	tiquinn@naz	dar.com PASS	only 🛠



Step 6 Deploy Project

Back to Dashboard		Nazdar_EFI \Lambda 🛠	TOOLS 🙆 ? 🗐
Project Increator	Back to Print	My Drojesta	Charad Drainsta
Project Inspector	left Back to Color	My Projects	Shared Projects
Global Preferences 🤣 Print Service Providers Print Buyers Track Templates			
New Projects to deploy!			
You are invited to print following projects. Please click green arrow below, select devices the	nat You want to use for this pro	oject in "deploy" tab and click "Sa	ave".
Project Name		Brand Owner	Modified
Snowflake 50 0 0		Nazdar_Demo_Roon	n 2024-01-23 09:39:37 🕨

Step 6 – Deploy the Printing Device

K Back to Projects		Nazdar_EFI \Lambda 🛠	TOOLS (2) (7)
Project Increator	Back to Print	Mu Drajasta	Chanad Drainata
Reproject Inspector	Back to Color	My Projects	Shared Projects
Global Preferences 🤣 Print Service Providers Print Buyers	Track Templates		
Project: Snowflake 50 0 0 for Nazdar_D created: 2024-01-23 09:29:19 · Modified: 2024-01-23 09:39:37 Assets	emo_Room Deploy (0/5)	Measu	SAVE
Printing Devices: Please select which devices will be used to print this project and click save.			
Device Name	Integrated Measuren	nent System Supplemental Instrument	Status
EFI Pro 24f LED Wide Format Flatbed Printer		X-Rite I1 Pro 3	NOT DEPLOYED

V Dite (1 Dro 3

NOT DEDLOVED



Steps

- 1. Open Capture Color Inspector
- 2. Create new palette "Snowflake 50 0 0"
- 3. Measure Snowflake 50 0 0 Center Patch
- 4. Navigate to ChromaChecker.com Color Inspector
 - Select "Snowflake 50 0 0" Pallet
 - Export "Color Library CXF/X-4
- 5. Open Capture QuickColor
- 6. Need to finish Steps slide to match the other slides (or delete this slide)



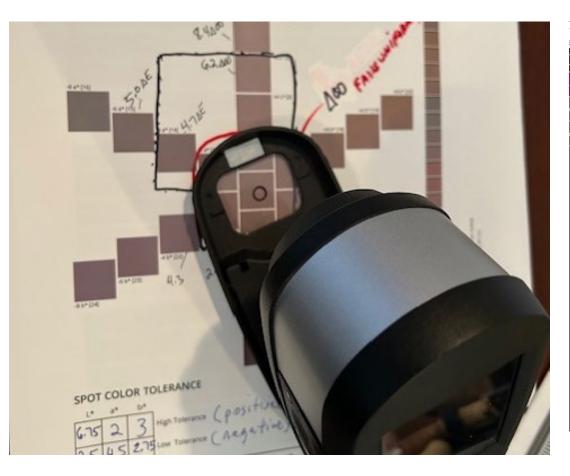
Create new palette "Snowflake 50 0 0"

OhromaChecker Capture						- 🗆 X
Eile Edit Tools	Olor Inspector) (b) 📀 🔞) test (A)
CXF-4Full	Template Solid	Average 1	Recalibrate	Reset		
DavePallette						
Orange Colors	Create new palette	2				
	Snowflake 50 0 0 palette					
	Print Process Offset Lithography	~				
	Substrate Type					
	Coated Paper	~				
	Substrate Name					
	Surface Finish					
	None	\checkmark				
	Save					
		Assets			Tracking	
* • *)					ver: 2.2.0v849 Open Beta 2



Measure Snowflake 50 0 0 Center Patch

Measure center patch



Save "Snowflake 50 0 0 Center Patch"

maChecker Capture t Tools										
New Palette	$\textcircled{\diamondsuit}$	Color	nspecto				P ***	<u>)</u>		
ull	Templ	ate Solid		~	Average 1	Recalibrate	Reset			
allette	Me	asured	sample							
Colors	1.2									
	0.8									
	0.6									
	0.2	400	450	500	550	600				
			L*	a*	b*	Sample Name	2			
		MO	52.02	6.50	4.37		- 50 0 0 Center Pa	itch		
		M1	52.05	6.55	3.91	ΔE 2000 toler	ance (optional)			
		M2	51.98	6.20	5.69	Inventory ID (optional)			
					5.09					
	Consi	stency error:	max = 0 avg =	0		Cano	el	Save		
	_									
				Assets	5				Tra	icking
										v

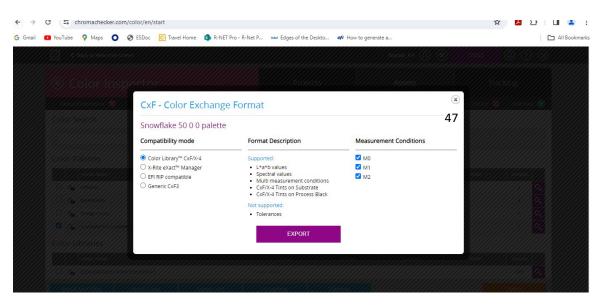


Navigate to ChromaChecker.com Color Inspector

Select "Snowflake 50 0 0" Pallet

Export "Color Library CXF/X-4

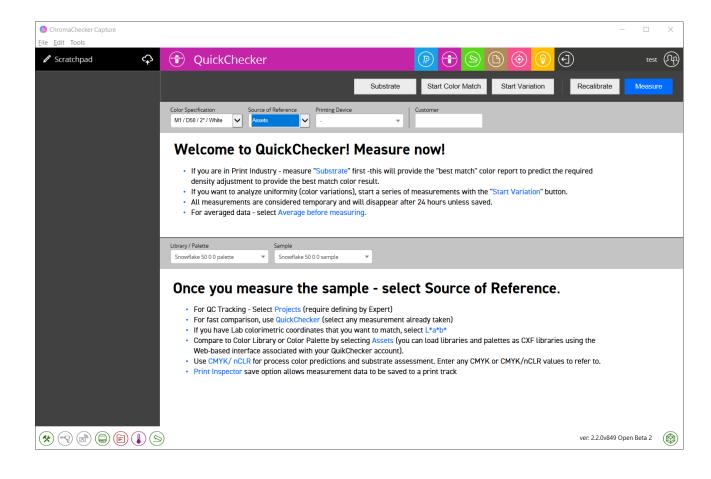
YouTube Q Maps Q SESDoc C Travel Home S R-N	IET Dro - R-Net D intel Edger of the F	eskto est How to get	aerata a		
	er Pro • K•Net P Indie Euges of the E	eskto on How to get			(Å) (?)
Back to Welcome screen			Nazdar_EFI 🕥	🛠 TOOLS	(A) (?)
Color Inspector	Proje	cts	Assets	Tra	cking
Global Preferences 😣				UTs Public Library 🛄	Add new
Color Search					
Search					
Color Palettes					
Palette Name	Creator	Process	Substrate	Finish	Samples
CXF-4Full	ChromaChecker Capture	Other	Coated Paper	None	2 0
DavePallette		Offset Lithography	Coated Paper	None	з С
Orange Colors	X-Rite - Prism				7 0
Snowflake 50 0 0 palette	ChromaChecker Capture	Offset Lithography	Coated Paper	None	1 0
Color Libraries					
Library Name	Creator	Process	Substrate	Finish	Samples
2 ORANGE P2P51 ((1Pro-1110) ROW 4-5	X-Rite - Prism				100
Virtual Spot Print Export (.ase) Export (.cxl	f) At Lighting	Duplicate			Delete





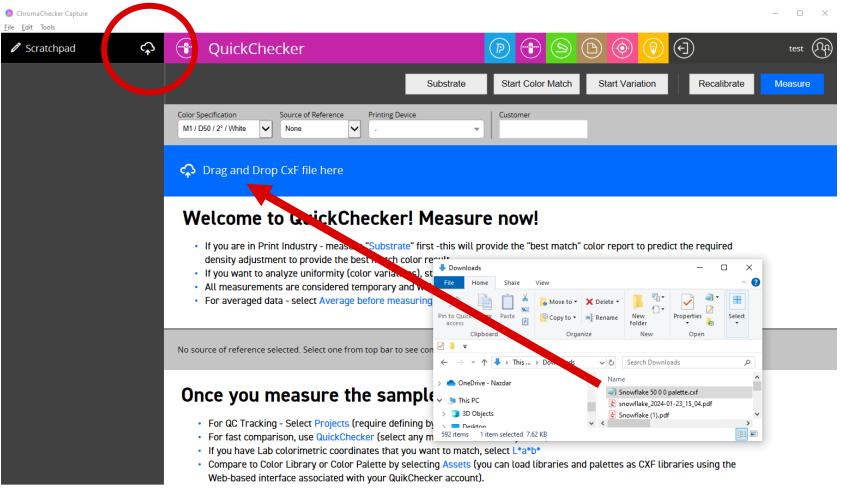
Open Capture / QuickChecker

Change the source of reference to "Assets", choose Pallet / Sample "Snowflake 50 0 0 sample"





Import cxf data – Avoid "drag and drop" for now



* 7 2 5

ver: 2.2.0v849 Open Beta 2

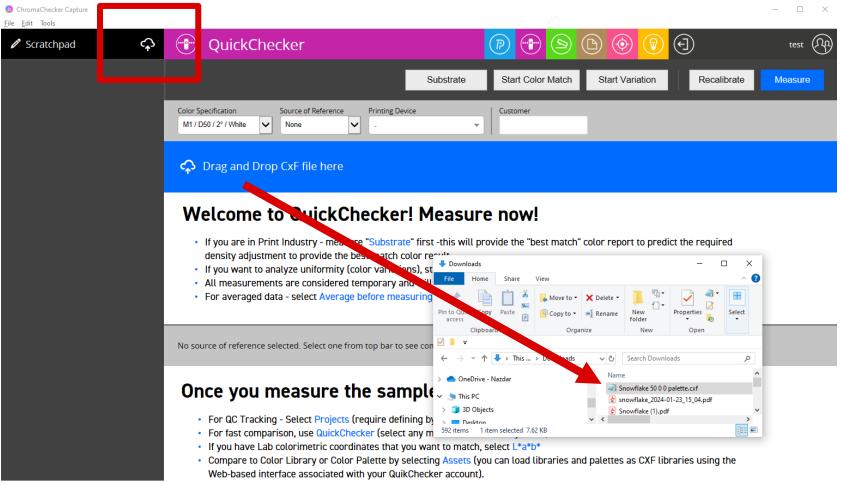


If you drag and drop, you will have to restart Capture





Instead, click "cloud" once, double click "Drag and Drop CxF file here"



ver: 2.2.0v849 Open Beta 2



CxF data imported

ChromaChecker Capture <u>File Edit</u> Tools				- 🗆 X
✓ Scratchpad	🐨 QuickChecker		D 📀 🔋 🕣	test A
Snowflake 50 0 0 sample 💼		Substrate	Start Variation Recalibrate	Measure
Snowflake 50 0 0 sample 🔋 📋	Color Specification Source of Reference Printing Device M1 / D50 / 2° / White V None -	Customer	Sample Name Snowflake 50 0 0 sample	
	Snowflake 50 0 0 sample 2024-01-23 14:23:19		Image: Constraint of the second sec	Variator Snowflake
	Spectral Reflectance Graph CIELab 1.2 L* = 51.67 1 a* = 6.48 0.8 b* = 4.32 0.6 C = 7.79 h = 33.7° OBA Index 0 - 0.36 @ 730nm -	a*/b* 100 50 0 -50 -50 -100 -50 0 0 0 0 0 0 0 0 0 0 0 0 0	ICC CII Designer CMYK RGB ISOcoated_v2_eci sRGB C = 38.82 R = 137 M = 42.75 G = 119 Y = 41.57 B = 116 K = 23.53 (ΔE ₆₀ = 0.13) (ΔE ₆₀ = 0.05) sRGB HEX #897774	
	No source of reference selected. Select one from top bar to see o	comparision report.		
			ver: 2	2.0v849 Open Beta 2



Snowflake creation – 2 locations to generate a Snowflake

ChromaChecker Capture <u>File</u> Edit Tools		– 🗆 X
Scratchpad	PQuickCheckerPSSOO	test 🕅
	Substrate Start Variation Recalibrate	Measure
Snowflake 50 0 0 sample	Color Specification Source of Reference Printing Device Customer Sample Name M1 / D50 / 2° / White None . . . Snowflake 50 0 0 sample	
	Snowflake 50 0 0 sample Image: Snowflake 50 0 sample <td>Variator Snowflake</td>	Variator Snowflake
	Snowflake PDF Color Space Snowflake distribution L*a*b Color Depth 8 bit	Download
	Spectral Reflectance GraphCIELab $12 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	
	No source of reference selected. Select one from top bar to see comparision report. ver 22.0	0v849 Open Beta 2 🛞