

PhotoKit Toning a* / b*Values on 21 step grayscale

L Dina 7/2011

a* / b* readings Taken with i1 UV Spectro and MeasureTool

Step	%K	Platinum	Mild Sepia1	Med Sepia2	Heavy Sepia3	Brown	Mild Cold1	Med Cold2	Heavy Cold3	Selenium
1	0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
2	5	0/0	0/0	0/0	0/1	0/2	0/0	0/0	0/0	1/-2
3	10	0/0	0/0	0/1	0/2	1/3	0/0	0/0	0/-1	1/-2
4	15	0/1	0/1	0/2	0/3	3/5	0/0	0/-1	0/-2	1/-2
5	20	0/1	0/1	0/2	1/4	3/6	0/0	0/-1	0/-3	1/-2
6	25	0/1	0/1	0/3	1/5	3/6	0/0	0/-2	0/-4	1/-2
7	30	0/1	0/2	0/3	1/7	3/7	0/-1	0/-2	1/-5	2/-3
8	35	0/2	0/2	1/4	1/8	3/7	0/-1	0/-3	1/-6	2/-3
9	40	1/2	0/2	1/5	1/9	4/7	0/-1	1/-3	1/-7	2/-2
10	45	0/3	0/3	1/5	2/11	3/7	0/-1	1/-4	1/-8	2/-2
11	50	0/3	0/3	1/6	2/12	3/8	0/-2	0/-4	1/-9	2/-3
12	55	1/3	0/4	1/7	2/14	4/8	0/-2	1/-5	2/-11	2/-3
13	60	1/3	0/4	1/8	2/15	4/8	0/-2	1/-5	2/-12	3/-3
14	65	0/3	0/3	1/7	2/13	3/9	0/-2	0/-5	1/-10	3/-3
15	70	0/3	0/3	1/6	2/12	4/8	0/-1	0/-4	1/-9	3/-3
16	75	1/3	0/3	1/5	2/11	4/8	0/-1	1/-4	1/-8	3/-3
17	80	1/2	0/2	1/5	1/9	4/8	0/-1	0/-3	1/-7	3/-3
18	85	0/2	0/2	1/4	1/7	4/8	0/-1	0/-3	1/-5	3/-4
19	90	0/1	0/1	0/2	1/5	4/7	0/-1	0/-1	1/-4	3/-3
20	95	0/1	0/1	0/1	0/2	2/3	0/0	0/-1	0/-1	3/-2
21	100	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

Above PhotoKit settings applied to a 21-step gray scale image that was converted to sRGB.

Note that all L*a*b* readings in Photoshop are rounded to the nearest integer, so smooth data as desired.

Brown tone has a fairly strong reddish hue.

Heavy Sepia3 and Heavy Cold3 probably need to be blended with a neutral profile, since they are quite strong.

Medium Sepia2 and Medium Cold2 are probably better choices if not blending with a Neutral profile.

Platinum is very mild but very nice as is.

Selenium is probably fine as is.

Starting points for Toning Neutral or BO profiles

Matte Toning example using Red River Polar Matte

Tone	Target	Boost	K	Highlight	Shadow	Gamma	C	M	Y
Neutral	0a/0b	50	30	10	12	1.0	0	2	0
Warm	3a/9b	50	26	10	12	1.0	0	12	15
Cool	0a/-7b	50	26	10	12	1.0	14	12	0
Selenium	3a/-7b	50	26	10	12	1.0	14	18	0

Photo Paper Toning example using Red River Ultra Pro Satin

Tone	Target	Boost	K	Highlight	Shadow	Gamma	C	M	Y
Neutral	0a/0b	25	20	4	10	1.5	0	2	0
Warm	3a/9b	25	17	4	10	1.5	0	6	7
Cool	0a/-7b	25	17	4	10	1.5	7	7	0
Selenium	3a/-7b	25	17	4	10	1.5	7	10	0