

Skintone Calculator (caucasian skin)				Neutral Values in CMYK			Neutral Values in CMYK						
c=	Magenta	c=	25%	from GATF test target			CGATS IT8.7/3 chart						
1/5M	value	1/3M	Yellow				C	M	Y				
2	9	3	11	C	M	Y	0	0	0				
2	12	4	15	0	0	0	5	3	3				
3	15	5	19	5	3	3	10	6	6				
4	18	6	23	10	6	6	20	12	12				
4	20	7	25	15	10	10	40	27	27				
5	24	8	30	20	14	13	60	45	45				
5	27	9	34	25	17	17	80	65	65				
6	30	10	38	30	21	21	100	85	85				
7	35	12	44	35	25	26	IT8.7/3 on press for 1995 TR001 standard*						
8	39	13	49	40	30	30	C	M	Y	K	L*	A*	B*
8	40	13	50	50	40	40	0	0	0	0	88.66	-0.33	3.64
8	42	14	53	60	50	50	5	3	3	0	83.53	-0.86	2.70
9	45	15	56	70	60	60	10	6	6	0	80.18	-1.48	2.09
10	48	16	60	75	65	65	20	12	12	0	74.37	-2.17	0.69
10	50	17	63	80	71	71	40	27	27	0	61.78	-3.94	-0.90
11	55	18	69	90	82	82	60	45	45	0	49.55	-3.98	-0.47
11	57	19	71	100	93	93	80	65	65	0	38.69	-5.45	-1.27
12	60	20	75				100	85	85	0	29.50	-7.40	-2.70
13	63	21	79				*Dr. Dotgain comments, "I guess if they were to repeat the work they would						
13	65	22	81				pick different points in the dark end because they have way too much A* ... More						
14	69	23	86				magenta in the dark tones would have increased the A* value, bringing the						
14	72	24	90	To generate neutral from a specified			strongly negative values closer to zero. (I assume neutrality in that tonal						
15	75	25	94	cyan value of your choice			region is simplistically defined as A* and B* equal to zero. Of course the						
15	77	26	96	(range 0 to 100) Here's a formula			non-neutral paper (A*=-0.33 B*=3.64) erodes that assumption in the light tints."						
16	80	27	100	based on a cubic fit to the GATF series:									
17	85	28	106	M=Y=-0.000018054*C^3+0.005481749*C^2+0.562796698*C									