

CIELABu3 relative
tristimulus value difference
 $Y_{nc} = L^* \mathbf{w}_{RGB} \mathbf{b}_{nc} = 100, 52, 87, 31$

$$Y_{nc} = L * W_{RGB_{nc}} = 100, 52, 87, 31$$

$$L^*_{\text{CIEIAB113}} = 50 (Y/Y_{\text{u}})^{1/2,0} + 1 \quad (Y_{\text{u}} = 18, Y_{\text{nc}}/100 < Y \leq Y_{\text{nc}})$$

$$\log(dY/dY_u) = [1-(1/2,0)] \log(Y/Y_u)$$

$$dY_{90}/dY_{11}=2,23, \gamma=2,0, 1/\gamma=1/2,0=0,50$$
$$dY_{18}/dY_{11}=1,00, S_{11}=49,21, D_{11}=0,78$$
$$dY_{3,6}/dY_{11}=0,44, Y_{11}=18, dY_{11}=4,06$$
$$L^*_{II}=50, dY_{II}=4,06, dY_{II}/Y_{II}=0,2257$$
$$\log[(dY)/(dY)_u]=0, \quad m_u=0,50$$

application
range

0.1

1

10

Y

$$Y_{10} = 1810$$

007

V

V

$$Y_N =$$

1

V

W

100

10

2

1

Age	Percentage
18-24	~95
25-34	~85
35-44	~75
45-54	~65
55-64	~55
65-74	~65
75-84	~45
85-94	~35

19

100

W

100



BEX31-4A