sensation scaling functions lightness L\* and luminous value Y adaptation on surround white:  $L^* = 100 (Y / 100)^{1/2,0}$ adaptation on surround gray:  $L^* = 100 (Y / 100)^{1/2,4}$ description with CIELAB 1976:  $L^* = 116 (Y / 100)^{1/3,0} - 16$ adaptation on surround black:  $L^* = 100 (Y / 100)^{1/3,0}$