

# basic- and mixed colors of additive spectral colors for illuminant D65

| reflection<br>factor $R(\lambda) = 1$<br>$\lambda_1 \dots \lambda_2$ in nm | color:<br>short<br>name: | chromaticity<br>values, D65 |            | standard tristimulus<br>values 2°, D65 |           |             |
|----------------------------------------------------------------------------|--------------------------|-----------------------------|------------|----------------------------------------|-----------|-------------|
|                                                                            |                          | x                           | y          | X                                      | Y         | Z           |
| <i>three additive optimal basic colors:</i>                                |                          |                             |            |                                        |           |             |
| 590 ... 700                                                                | O (J80R)                 | 0, . . . .                  | 0, . . . . | . . , . .                              | . . , . . | . . , . .   |
| 490 ... 590                                                                | L (G10J)                 | 0, . . . .                  | 0, . . . . | . . , . .                              | . . , . . | . . , . .   |
| 370 ... 490                                                                | V (R80B)                 | 0, . . . .                  | 0, . . . . | . . , . .                              | . . , . . | . . , . .   |
| <i>three additive optimal mixed colors:</i>                                |                          |                             |            |                                        |           |             |
| 370 ... 590                                                                | C (B30G)                 | 0, . . . .                  | 0, . . . . | . . , . .                              | . . , . . | . . , . .   |
| 370 ... 490, 590 ... 770                                                   | M (R30B)                 | 0, . . . .                  | 0, . . . . | . . , . .                              | . . , . . | . . , . .   |
| 490 ... 770                                                                | Y (G90J)                 | 0, . . . .                  | 0, . . . . | . . , . .                              | . . , . . | . . , . .   |
| 370 ... 770                                                                | D65 (W)                  | 0, . . . .                  | 0, . . . . | . . . , . .                            | 100,00    | . . . , . . |