

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(767790)	Hex(686990)	Hex(595B90)	Hex(4B4D90)	Hex(3C3F90)	Hex(2E3190)	Hex(202290)	Hex(111490)	Hex(030690)	Hex(000490)
Hex(767790)		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.36 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(686990)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(595B90)	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(4B4D90)	Ratio: 1.74 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(3C3F90)	Ratio: 2.09 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(2E3190)	Ratio: 2.46 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(202290)	Ratio: 2.84 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(111490)	Ratio: 3.15 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(030690)	Ratio: 3.36 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000490)	Ratio: 3.39 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.01 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.