

Converting Colors - WCAG Matrix

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

	Hex(919191)	Hex(828291)	Hex(747491)	Hex(656691)	Hex(575891)	Hex(484A91)	Hex(3A3B91)	Hex(2B2D91)	Hex(1D1F91)	Hex(0E1191)
Hex(919191)		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.53 AA 18pt ²	Ratio: 4.02 AA 18pt ²	Ratio: 4.42 AA 18pt ²
Hex(828291)	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 3.68 AA 18pt ²
Hex(747491)	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(656691)	Ratio: 1.72 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(575891)	Ratio: 2.08 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(484A91)	Ratio: 2.50 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(3A3B91)	Ratio: 3.01 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(2B2D91)	Ratio: 3.53 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(1D1F91)	Ratio: 4.02 AA 18pt ²	Ratio: 3.35 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(0E1191)	Ratio: 4.42 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 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.

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