

Converting Colors - WCAG Matrix

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

	Hex(001F8F)	Hex(0E2B8F)	Hex(1D368F)	Hex(2B418F)	Hex(394C8F)	Hex(47578F)	Hex(56628F)	Hex(646D8F)	Hex(72798F)	Hex(81848F)
Hex(001F8F)		Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.54 AA 18pt ²
Hex(0E2B8F)	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(1D368F)	Ratio: 1.24 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(2B418F)	Ratio: 1.42 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(394C8F)	Ratio: 1.64 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(47578F)	Ratio: 1.90 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(56628F)	Ratio: 2.22 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(646D8F)	Ratio: 2.59 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(72798F)	Ratio: 3.04 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(81848F)	Ratio: 3.54 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 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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