

Converting Colors - WCAG Matrix

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

	Hex(787D8F)	Hex(6B738F)	Hex(5C668F)	Hex(4D5C8F)	Hex(40528F)	Hex(30458F)	Hex(213B8F)	Hex(142E8F)	Hex(05248F)	Hex(00218F)
Hex(787D8F)		Ratio: 1.15 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.18 AA 18pt ²
Hex(6B738F)	Ratio: 1.15 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(5C668F)	Ratio: 1.37 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(4D5C8F)	Ratio: 1.58 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(40528F)	Ratio: 1.82 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(30458F)	Ratio: 2.16 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(213B8F)	Ratio: 2.46 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(142E8F)	Ratio: 2.82 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(05248F)	Ratio: 3.10 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(00218F)	Ratio: 3.18 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.03 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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