

Converting Colors - WCAG Matrix

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

	Hex(661F98)	Hex(6C2E98)	Hex(733E98)	Hex(794D98)	Hex(7F5C98)	Hex(866B98)	Hex(8C7B98)	Hex(928A98)	Hex(999998)	Hex(9FA898)
Hex(661F98)		Ratio: 1.12 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.85 AA 18pt ²
Hex(6C2E98)	Ratio: 1.12 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(733E98)	Ratio: 1.30 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(794D98)	Ratio: 1.50 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(7F5C98)	Ratio: 1.76 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(866B98)	Ratio: 2.06 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(8C7B98)	Ratio: 2.44 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(928A98)	Ratio: 2.85 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(999998)	Ratio: 3.33 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(9FA898)	Ratio: 3.85 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.35 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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