

Converting Colors - WCAG Matrix

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

	Hex(520075)	Hex(540D75)	Hex(591775)	Hex(5C2475)	Hex(612E75)	Hex(633B75)	Hex(664575)	Hex(6B5275)	Hex(6E5E75)	Hex(736B75)
Hex(520075)		Ratio: 1.05 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(540D75)	Ratio: 1.05 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(591775)	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(5C2475)	Ratio: 1.22 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(612E75)	Ratio: 1.33 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(633B75)	Ratio: 1.49 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(664575)	Ratio: 1.65 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(6B5275)	Ratio: 1.91 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(6E5E75)	Ratio: 2.18 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(736B75)	Ratio: 2.53 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.32 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.