

Converting Colors - WCAG Matrix

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

	Hex(401A7D)	Hex(47267D)	Hex(4F337D)	Hex(57407D)	Hex(5E4A7D)	Hex(66597D)	Hex(6E637D)	Hex(75707D)	Hex(7D7D7D)	Hex(858A7D)
Hex(401A7D)		Ratio: 1.11 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(47267D)	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(4F337D)	Ratio: 1.27 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(57407D)	Ratio: 1.47 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(5E4A7D)	Ratio: 1.66 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(66597D)	Ratio: 1.98 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(6E637D)	Ratio: 2.25 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(75707D)	Ratio: 2.63 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(7D7D7D)	Ratio: 3.07 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(858A7D)	Ratio: 3.57 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.58 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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