

Converting Colors - WCAG Matrix

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

	Hex(59647E)	Hex(4C5B7E)	Hex(40527E)	Hex(33497E)	Hex(27417E)	Hex(1A387E)	Hex(0D2F7E)	Hex(01267E)	Hex(00257E)
Hex(59647E)		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(4C5B7E)	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(40527E)	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(33497E)	Ratio: 1.48 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(27417E)	Ratio: 1.66 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(1A387E)	Ratio: 1.86 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(0D2F7E)	Ratio: 2.06 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(01267E)	Ratio: 2.25 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(00257E)	Ratio: 2.27 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.01 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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