

Converting Colors - WCAG Matrix

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

	Hex(646379)	Hex(585779)	Hex(4D4B79)	Hex(413F79)	Hex(363379)	Hex(2A2679)	Hex(1F1A79)	Hex(130E79)	Hex(080279)	Hex(060079)
Hex(646379)		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(585779)	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(4D4B79)	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(413F79)	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(363379)	Ratio: 1.89 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(2A2679)	Ratio: 2.18 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(1F1A79)	Ratio: 2.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(130E79)	Ratio: 2.64 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(080279)	Ratio: 2.78 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(060079)	Ratio: 2.81 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 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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