

Converting Colors - WCAG Matrix

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

	Hex(616269)	Hex(565A69)	Hex(4C5169)	Hex(424669)	Hex(373E69)	Hex(2C3569)	Hex(222C69)	Hex(172269)	Hex(0D1969)	Hex(031169)
Hex(616269)		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(565A69)	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(4C5169)	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(424669)	Ratio: 1.50 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(373E69)	Ratio: 1.68 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(2C3569)	Ratio: 1.90 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(222C69)	Ratio: 2.12 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(172269)	Ratio: 2.35 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(0D1969)	Ratio: 2.54 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(031169)	Ratio: 2.69 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.06 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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