

Converting Colors - WCAG Matrix

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

	Hex(4D4461)	Hex(544E61)	Hex(5A5761)	Hex(616161)	Hex(686B61)	Hex(6E7461)	Hex(757E61)	Hex(7C8861)	Hex(839261)	Hex(899B61)
Hex(4D4461)		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(544E61)	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(5A5761)	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(616161)	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(686B61)	Ratio: 1.67 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(6E7461)	Ratio: 1.87 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(757E61)	Ratio: 2.12 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(7C8861)	Ratio: 2.40 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(839261)	Ratio: 2.70 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(899B61)	Ratio: 2.99 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 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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