

Converting Colors - WCAG Matrix

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

	Hex(384147)	Hex(3F4447)	Hex(464747)	Hex(4D4A47)	Hex(544C47)	Hex(5B4F47)	Hex(635247)	Hex(6A5547)	Hex(715847)	Hex(785B47)
Hex(384147)		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(3F4447)	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(464747)	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(4D4A47)	Ratio: 1.18 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(544C47)	Ratio: 1.24 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(5B4F47)	Ratio: 1.32 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(635247)	Ratio: 1.40 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(6A5547)	Ratio: 1.49 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(715847)	Ratio: 1.58 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(785B47)	Ratio: 1.68 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 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.