

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(FE7966) Hex(FF5E47) Hex(FEC466) Hex(807473) Hex(BF1800) Hex(400800)

Hex(FE7966)		Ratio: 1.17 Failed⁵	Ratio: 1.63 Failed⁵	Ratio: 1.75 Failed⁵	Ratio: 2.43 Failed⁵	Ratio: 6.50 AA¹ AAA 18pt⁴
Hex(FF5E47)	Ratio: 1.17 Failed⁵		Ratio: 1.92 Failed⁵	Ratio: 1.49 Failed⁵	Ratio: 2.08 Failed⁵	Ratio: 5.54 AA¹ AAA 18pt⁴
Hex(FEC466)	Ratio: 1.63 Failed⁵	Ratio: 1.92 Failed⁵		Ratio: 2.85 Failed⁵	Ratio: 3.98 AA 18pt²	Ratio: 10.62 Passed⁶
Hex(807473)	Ratio: 1.75 Failed⁵	Ratio: 1.49 Failed⁵	Ratio: 2.85 Failed⁵		Ratio: 1.39 Failed⁵	Ratio: 3.72 AA 18pt²
Hex(BF1800)	Ratio: 2.43 Failed⁵	Ratio: 2.08 Failed⁵	Ratio: 3.98 AA 18pt²	Ratio: 1.39 Failed⁵		Ratio: 2.67 Failed⁵
Hex(400800)	Ratio: 6.50 AA¹ AAA 18pt⁴	Ratio: 5.54 AA¹ AAA 18pt⁴	Ratio: 10.62 Passed⁶	Ratio: 3.72 AA 18pt²	Ratio: 2.67 Failed⁵	

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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