

Converting Colors - WCAG Matrix

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

Hex(F17483) Hex(FF6174) Hex(F1A274) Hex(786C6D) Hex(B80016) Hex(380007)

	Hex(F17483)	Hex(FF6174)	Hex(F1A274)	Hex(786C6D)	Hex(B80016)	Hex(380007)
Hex(F17483)		Ratio: 1.05 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 6.46 AA ¹ AAA 18pt ⁴
Hex(FF6174)	Ratio: 1.05 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 6.16 AA ¹ AAA 18pt ⁴
Hex(F1A274)	Ratio: 1.34 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 2.44 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 8.68 Passed ⁶
Hex(786C6D)	Ratio: 1.82 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 3.56 AA 18pt ²
Hex(B80016)	Ratio: 2.48 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 1.37 Failed ⁵		Ratio: 2.60 Failed ⁵
Hex(380007)	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 8.68 Passed ⁶	Ratio: 3.56 AA 18pt ²	Ratio: 2.60 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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