

Converting Colors - WCAG Matrix

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

	Hex(B31226)	Hex(FFFFFF)	Hex(F35554)	Hex(FF726C)	Hex(FF8E85)	Hex(FFABA0)	Hex(FFC7BB)	Hex(FFE5D6)	Hex(FFFFF3)
Hex(B31226)		Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.93 AA ¹ AAA 18pt ⁴		Ratio: 3.37 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(F35554)	Ratio: 2.06 Failed ⁵	Ratio: 3.37 AA 18pt ²		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(FF726C)	Ratio: 2.60 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.65 Failed ⁵
Hex(FF8E85)	Ratio: 3.12 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(FFABA0)	Ratio: 3.82 AA 18pt ²	Ratio: 1.81 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(FFC7BB)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.49 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFE5D6)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 1.20 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFFF3)	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 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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