

Converting Colors - WCAG Matrix

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

	Hex(FF0034)	Hex(FF1948)	Hex(FF335D)	Hex(FF4D71)	Hex(FF6685)	Hex(FF809A)	Hex(FF99AE)	Hex(FFB3C2)	Hex(FFCCD6)	Hex(FFE6EB)
Hex(FF0034)		Ratio: 1.03 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(FF1948)	Ratio: 1.03 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(FF335D)	Ratio: 1.11 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(FF4D71)	Ratio: 1.24 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(FF6685)	Ratio: 1.41 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(FF809A)	Ratio: 1.66 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(FF99AE)	Ratio: 1.97 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFB3C2)	Ratio: 2.35 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(FFCCD6)	Ratio: 2.80 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE6EB)	Ratio: 3.35 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.42 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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