

Converting Colors - WCAG Matrix

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

	Hex(FFD6DE)	Hex(FFBCCA)	Hex(FFA3B6)	Hex(FF89A1)	Hex(FF708D)	Hex(FF5679)	Hex(FF3D64)	Hex(FF2350)	Hex(FF0A3C)	Hex(FF0034)
Hex(FFD6DE)		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(FFBCCA)	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(FFA3B6)	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(FF89A1)	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(FF708D)	Ratio: 2.00 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FF5679)	Ratio: 2.32 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(FF3D64)	Ratio: 2.61 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(FF2350)	Ratio: 2.84 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(FF0A3C)	Ratio: 2.97 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FF0034)	Ratio: 3.00 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 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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