

Converting Colors - WCAG Matrix

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

	Hex(FFE8F5)	Hex(FFCFEA)	Hex(FFB5DF)	Hex(FF9BD4)	Hex(FF82C9)	Hex(FF69BE)	Hex(FF4FB2)	Hex(FF36A7)	Hex(FF1C9C)	Hex(FF0391)
Hex(FFE8F5)		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.19 AA 18pt ²
Hex(FFCFEA)	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(FFB5DF)	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(FF9BD4)	Ratio: 1.66 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(FF82C9)	Ratio: 1.95 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(FF69BE)	Ratio: 2.26 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FF4FB2)	Ratio: 2.58 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(FF36A7)	Ratio: 2.86 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(FF1C9C)	Ratio: 3.07 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(FF0391)	Ratio: 3.19 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.04 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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