

Converting Colors - WCAG Matrix

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

	Hex(C5424D)	Hex(E45E65)	Hex(FF797E)	Hex(FF9498)	Hex(FFB1B2)	Hex(FFCDCE)	Hex(FFEAEA)	Hex(FFFFFF)
Hex(C5424D)		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.27 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴
Hex(E45E65)	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.45 AA 18pt ²
Hex(FF797E)	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(FF9498)	Ratio: 2.33 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(FFB1B2)	Ratio: 2.86 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(FFCDCE)	Ratio: 3.49 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FFEAEA)	Ratio: 4.27 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(FFFFFF)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 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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