

Converting Colors - WCAG Matrix

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

	Hex(D8274B)	Hex(FFFFFF)	Hex(FF687B)	Hex(FF8595)	Hex(FFA2B0)	Hex(FFBFCB)	Hex(FFDCE7)	Hex(FFFAFF)
Hex(D8274B)		Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.74 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.87 AA ¹ AAA 18pt ⁴		Ratio: 2.79 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(FF687B)	Ratio: 1.74 Failed ⁵	Ratio: 2.79 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(FF8595)	Ratio: 2.10 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(FFA2B0)	Ratio: 2.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFBFCB)	Ratio: 3.15 AA 18pt ²	Ratio: 1.55 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFDCE7)	Ratio: 3.86 AA 18pt ²	Ratio: 1.26 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFFAFF)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 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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