

Converting Colors - WCAG Matrix

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

	Hex(DF005D)	Hex(FFFFFF)	Hex(FF5C8F)	Hex(FF7AA9)	Hex(FF98C4)	Hex(FFB6E0)	Hex(FFD4FD)	Hex(FFF2FF)
Hex(DF005D)		Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 1.67 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.89 AA ¹ AAA 18pt ⁴		Ratio: 2.93 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(FF5C8F)	Ratio: 1.67 Failed ⁵	Ratio: 2.93 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(FF7AA9)	Ratio: 2.00 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(FF98C4)	Ratio: 2.45 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFB6E0)	Ratio: 3.03 AA 18pt ²	Ratio: 1.61 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFD4FD)	Ratio: 3.75 AA 18pt ²	Ratio: 1.31 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFF2FF)	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 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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