

Converting Colors - WCAG Matrix

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

Hex(D30056) Hex(FFFFFF) Hex(FF5987) Hex(FF77A1) Hex(FF95BC) Hex(FFB2D8) Hex(FFD0F4) Hex(FFEFFF)

	Hex(D30056)	Hex(FFFFFF)	Hex(FF5987)	Hex(FF77A1)	Hex(FF95BC)	Hex(FFB2D8)	Hex(FFD0F4)	Hex(FFEFFF)
Hex(D30056)		Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 1.80 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.38 AA ¹ AAA 18pt ⁴		Ratio: 2.99 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(FF5987)	Ratio: 1.80 Failed ⁵	Ratio: 2.99 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(FF77A1)	Ratio: 2.15 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(FF95BC)	Ratio: 2.63 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFB2D8)	Ratio: 3.23 AA 18pt ²	Ratio: 1.67 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFD0F4)	Ratio: 3.99 AA 18pt ²	Ratio: 1.35 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFEFFF)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.50 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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