

Converting Colors - WCAG Matrix

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

Hex(992AA2) Hex(FFFFFF) Hex(D263D9) Hex(F07FF6) Hex(FF9AFF) Hex(FFB7FF) Hex(FFD3FF) Hex(FFF1FF)

	Hex(992AA2)	Hex(FFFFFF)	Hex(D263D9)	Hex(F07FF6)	Hex(FF9AFF)	Hex(FFB7FF)	Hex(FFD3FF)	Hex(FFF1FF)
Hex(992AA2)		Ratio: 6.55 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.55 AA ¹ AAA 18pt ⁴		Ratio: 3.22 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(D263D9)	Ratio: 2.03 Failed ⁵	Ratio: 3.22 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(F07FF6)	Ratio: 2.83 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(FF9AFF)	Ratio: 3.53 AA 18pt ²	Ratio: 1.86 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(FFB7FF)	Ratio: 4.20 AA 18pt ²	Ratio: 1.56 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFD3FF)	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 1.31 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF1FF)	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 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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