

Converting Colors - WCAG Matrix

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

	Hex(5B355B)	Hex(FFFFFF)	Hex(8E658D)	Hex(A97EA8)	Hex(C498C3)	Hex(E1B3DF)	Hex(FDCFFC)	Hex(FFEBFF)
Hex(5B355B)		Ratio: 9.98 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 8.83 Passed ⁶
Hex(FFFFFF)	Ratio: 9.98 Passed ⁶		Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(8E658D)	Ratio: 2.09 Failed ⁵	Ratio: 4.78 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(A97EA8)	Ratio: 2.96 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(C498C3)	Ratio: 4.10 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(E1B3DF)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 1.79 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(FDCFFC)	Ratio: 7.37 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFEBFF)	Ratio: 8.83 Passed ⁶	Ratio: 1.13 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.59 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

Failed 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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