

Converting Colors - WCAG Matrix

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

	Hex(3B3161)	Hex(FFFFFF)	Hex(6C5F94)	Hex(8678AF)	Hex(A192CA)	Hex(BCACE7)	Hex(D8C8FF)	Hex(F5E4FF)
Hex(3B3161)		Ratio: 11.68 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.69 Passed ⁶
Hex(FFFFFF)	Ratio: 11.68 Passed ⁶		Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(6C5F94)	Ratio: 2.06 Failed ⁵	Ratio: 5.67 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴
Hex(8678AF)	Ratio: 2.96 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(A192CA)	Ratio: 4.16 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(BCACE7)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(D8C8FF)	Ratio: 7.58 Passed ⁶	Ratio: 1.54 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(F5E4FF)	Ratio: 9.69 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 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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