

Converting Colors - WCAG Matrix

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

	Hex(3F2B63)	Hex(FFFFFF)	Hex(715996)	Hex(8B72B1)	Hex(A68CCD)	Hex(C2A6E9)	Hex(DEC1FF)	Hex(FBDDFF)	Hex(FFFAFF)
Hex(3F2B63)		Ratio: 12.09 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.72 Passed ⁶	Ratio: 11.73 Passed ⁶
Hex(FFFFFF)	Ratio: 12.09 Passed ⁶		Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(715996)	Ratio: 2.06 Failed ⁵	Ratio: 5.88 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴
Hex(8B72B1)	Ratio: 2.96 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(A68CCD)	Ratio: 4.18 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(C2A6E9)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(DEC1FF)	Ratio: 7.59 Passed ⁶	Ratio: 1.59 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FBDDFF)	Ratio: 9.72 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFAFF)	Ratio: 11.73 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.55 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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