

Converting Colors - WCAG Matrix

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

	Hex(FFE1FF)	Hex(E9C5FD)	Hex(CCA9E0)	Hex(B08FC4)	Hex(9575A9)	Hex(7B5C8E)	Hex(624475)	Hex(492D5C)	Hex(321844)	Hex(1D002E)
Hex(FFE1FF)		Ratio: 1.26 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 9.63 Passed ⁶	Ratio: 12.94 Passed ⁶	Ratio: 16.00 Passed ⁶
Hex(E9C5FD)	Ratio: 1.26 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 12.71 Passed ⁶
Hex(CCA9E0)	Ratio: 1.69 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 9.45 Passed ⁶
Hex(B08FC4)	Ratio: 2.31 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴
Hex(9575A9)	Ratio: 3.24 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴
Hex(7B5C8E)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.45 AA 18pt ²
Hex(624475)	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(492D5C)	Ratio: 9.63 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(321844)	Ratio: 12.94 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(1D002E)	Ratio: 16.00 Passed ⁶	Ratio: 12.71 Passed ⁶	Ratio: 9.45 Passed ⁶	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.24 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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