

Converting Colors - WCAG Matrix

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

	Hex(29041A)	Hex(FFE5FD)	Hex(583145)	Hex(71485C)	Hex(8B6075)	Hex(A5798F)	Hex(C193A9)	Hex(DDADC4)	Hex(FAC9E0)
Hex(29041A)		Ratio: 15.87 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 9.63 Passed ⁶	Ratio: 12.87 Passed ⁶
Hex(FFE5FD)	Ratio: 15.87 Passed ⁶		Ratio: 9.21 Passed ⁶	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(583145)	Ratio: 1.72 Failed ⁵	Ratio: 9.21 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶
Hex(71485C)	Ratio: 2.47 Failed ⁵	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(8B6075)	Ratio: 3.58 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.60 AA 18pt ²
Hex(A5798F)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.12 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(C193A9)	Ratio: 7.11 Passed ⁶	Ratio: 2.23 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(DDADC4)	Ratio: 9.63 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(FAC9E0)	Ratio: 12.87 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 7.47 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.34 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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