

Converting Colors - WCAG Matrix

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

	Hex(680032)	Hex(FFFEFF)	Hex(A03E60)	Hex(BC5879)	Hex(D97292)	Hex(F78DAD)	Hex(FFA8C8)	Hex(FFC4E4)	Hex(FFE1FF)
Hex(680032)		Ratio: 12.77 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.15 Passed ⁶	Ratio: 8.73 Passed ⁶	Ratio: 10.69 Passed ⁶
Hex(FFFEFF)	Ratio: 12.77 Passed ⁶		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 4.34 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(A03E60)	Ratio: 2.05 Failed ⁵	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.26 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(BC5879)	Ratio: 2.94 Failed ⁵	Ratio: 4.34 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.63 AA 18pt ²
Hex(D97292)	Ratio: 4.14 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(F78DAD)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 2.23 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(FFA8C8)	Ratio: 7.15 Passed ⁶	Ratio: 1.79 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFC4E4)	Ratio: 8.73 Passed ⁶	Ratio: 1.46 Failed ⁵	Ratio: 4.26 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE1FF)	Ratio: 10.69 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 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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