

Converting Colors - WCAG Matrix

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

	Hex(7A102E)	Hex(FFFFFF)	Hex(B4495B)	Hex(D16373)	Hex(EF7E8D)	Hex(FF99A7)	Hex(FFB5C2)	Hex(FFD1DE)	Hex(FFEEFB)
Hex(7A102E)		Ratio: 10.82 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 7.95 Passed ⁶	Ratio: 9.72 Passed ⁶
Hex(FFFFFF)	Ratio: 10.82 Passed ⁶		Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(B4495B)	Ratio: 2.08 Failed ⁵	Ratio: 5.19 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴
Hex(D16373)	Ratio: 2.96 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(EF7E8D)	Ratio: 4.14 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(FF99A7)	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFB5C2)	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 1.66 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFD1DE)	Ratio: 7.95 Passed ⁶	Ratio: 1.36 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFEEFB)	Ratio: 9.72 Passed ⁶	Ratio: 1.11 Failed ⁵	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.82 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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