

Converting Colors - WCAG Matrix

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

	Hex(400003)	Hex(FFB2AB)	Hex(790003)	Hex(98001B)	Hex(B62030)	Hex(D64147)	Hex(F55D5E)	Hex(FF7977)	Hex(FF9591)
Hex(400003)		Ratio: 10.01 Passed ⁶	Ratio: 1.49 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 8.17 Passed ⁶
Hex(FFB2AB)	Ratio: 10.01 Passed ⁶		Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(790003)	Ratio: 1.49 Failed ⁵	Ratio: 6.73 AA ¹ AAA 18pt ⁴		Ratio: 1.30 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 5.49 AA ¹ AAA 18pt ⁴
Hex(98001B)	Ratio: 1.93 Failed ⁵	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 1.30 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(B62030)	Ratio: 2.66 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 1.78 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(D64147)	Ratio: 3.86 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(F55D5E)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 1.85 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(FF7977)	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 1.48 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FF9591)	Ratio: 8.17 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.51 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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