

Converting Colors - WCAG Matrix

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

Hex(FFFEFE) Hex(FFFFFF) Hex(FEFFFF) Hex(808080) Hex(BF004E) Hex(40001A)

Hex(FFFEFE)	Ratio: 1.01 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 16.92 Passed ⁶
Hex(FFFFFF)	Ratio: 1.01 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 17.03 Passed ⁶
Hex(FEFFFF)	Ratio: 1.00 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 6.30 AA ¹ AAA 18pt ⁴	Ratio: 17.00 Passed ⁶
Hex(808080)	Ratio: 3.92 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 1.60 Failed ⁵	Ratio: 4.31 AA 18pt ²
Hex(BF004E)	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 6.32 AA ¹ AAA 18pt ⁴	Ratio: 6.30 AA ¹ AAA 18pt ⁴	Ratio: 1.60 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(40001A)	Ratio: 16.92 Passed ⁶	Ratio: 17.03 Passed ⁶	Ratio: 17.00 Passed ⁶	Ratio: 4.31 AA 18pt ²	Ratio: 2.70 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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