

Converting Colors - WCAG Matrix

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

	Hex(FFA1A9)	Hex(E1868E)	Hex(C46C75)	Hex(A7525C)	Hex(8B3945)	Hex(70202E)	Hex(55031A)	Hex(3B0000)	Hex(1F0001)	Hex(000000)
Hex(FFA1A9)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 10.92 Passed ⁶
Hex(E1868E)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 8.00 Passed ⁶
Hex(C46C75)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴
Hex(A7525C)	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 4.00 AA 18pt ²
Hex(8B3945)	Ratio: 3.94 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(70202E)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(55031A)	Ratio: 7.72 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(3B0000)	Ratio: 9.21 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(1F0001)	Ratio: 10.32 Passed ⁶	Ratio: 7.56 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 10.92 Passed ⁶	Ratio: 8.00 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.06 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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