

Converting Colors - WCAG Matrix

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

	Hex(1B001B)	Hex(2E1A30)	Hex(452F46)	Hex(5D465E)	Hex(755D76)	Hex(8F7690)	Hex(AA90AA)	Hex(C5ABC6)	Hex(E1C6E2)	Hex(FEE2FE)
Hex(1B001B)		Ratio: 1.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 9.43 Passed ⁶	Ratio: 12.59 Passed ⁶	Ratio: 16.49 Passed ⁶
Hex(2E1A30)	Ratio: 1.23 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 13.41 Passed ⁶
Hex(452F46)	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.03 Passed ⁶
Hex(5D465E)	Ratio: 2.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(755D76)	Ratio: 3.37 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(8F7690)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(AA90AA)	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(C5ABC6)	Ratio: 9.43 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(E1C6E2)	Ratio: 12.59 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(FEE2FE)	Ratio: 16.49 Passed ⁶	Ratio: 13.41 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 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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