

Converting Colors - WCAG Matrix

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

	Hex(F59EDB)	Hex(D883BF)	Hex(BB69A4)	Hex(9F4F8A)	Hex(843670)	Hex(6A1C58)	Hex(500040)	Hex(37002A)	Hex(1F0015)	Hex(000000)
Hex(F59EDB)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 9.03 Passed ⁶	Ratio: 10.10 Passed ⁶	Ratio: 10.80 Passed ⁶
Hex(D883BF)	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 7.92 Passed ⁶
Hex(BB69A4)	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴
Hex(9F4F8A)	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(843670)	Ratio: 3.94 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(6A1C58)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(500040)	Ratio: 7.63 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(37002A)	Ratio: 9.03 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(1F0015)	Ratio: 10.10 Passed ⁶	Ratio: 7.41 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 10.80 Passed ⁶	Ratio: 7.92 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.07 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.