

Converting Colors - WCAG Matrix

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

	Hex(F5AEF9)	Hex(D893DC)	Hex(BC79C0)	Hex(A05FA5)	Hex(85468B)	Hex(6B2E71)	Hex(521458)	Hex(390040)	Hex(26002B)	Hex(000114)
Hex(F5AEF9)		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.86 Passed ⁶	Ratio: 11.01 Passed ⁶	Ratio: 12.13 Passed ⁶
Hex(D893DC)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 8.17 Passed ⁶	Ratio: 9.00 Passed ⁶
Hex(BC79C0)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 6.54 AA ¹ AAA 18pt ⁴
Hex(A05FA5)	Ratio: 2.63 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(85468B)	Ratio: 3.79 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(6B2E71)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(521458)	Ratio: 7.69 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(390040)	Ratio: 9.86 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(26002B)	Ratio: 11.01 Passed ⁶	Ratio: 8.17 Passed ⁶	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(000114)	Ratio: 12.13 Passed ⁶	Ratio: 9.00 Passed ⁶	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.10 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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