

Converting Colors - WCAG Matrix

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

	Hex(BD00D9)	Hex(9F00BC)	Hex(8200A1)	Hex(640086)	Hex(47006C)	Hex(2B0053)	Hex(00003A)	Hex(000223)	Hex(00000B)	Hex(000000)
Hex(BD00D9)		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.17 AA 18pt ²
Hex(9F00BC)	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 3.20 AA 18pt ²
Hex(8200A1)	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(640086)	Ratio: 2.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(47006C)	Ratio: 2.81 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(2B0053)	Ratio: 3.39 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(00003A)	Ratio: 3.93 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(000223)	Ratio: 4.03 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(00000B)	Ratio: 4.15 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 4.17 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.00 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.