

Converting Colors - WCAG Matrix

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

	Hex(B03BC4)	Hex(9319A9)	Hex(77008E)	Hex(5B0074)	Hex(40005A)	Hex(270042)	Hex(00002B)	Hex(000115)	Hex(000000)
Hex(B03BC4)		Ratio: 1.45 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 4.13 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(9319A9)	Ratio: 1.45 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(77008E)	Ratio: 1.96 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(5B0074)	Ratio: 2.52 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(40005A)	Ratio: 3.13 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(270042)	Ratio: 3.66 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(00002B)	Ratio: 4.13 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(000115)	Ratio: 4.20 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 4.27 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 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.