

Converting Colors - WCAG Matrix

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

	Hex(DB57AB)	Hex(BE3A90)	Hex(A11776)	Hex(84005E)	Hex(680046)	Hex(4D002F)	Hex(34001A)	Hex(0A0000)	Hex(000000)
Hex(DB57AB)		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 5.96 AA ¹ AAA 18pt ⁴
Hex(BE3A90)	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.20 AA 18pt ²
Hex(A11776)	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(84005E)	Ratio: 2.78 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(680046)	Ratio: 3.56 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(4D002F)	Ratio: 4.40 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(34001A)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(0A0000)	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 4.20 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.01 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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