

Converting Colors - WCAG Matrix

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

Hex(3B00B5) Hex(BBA4EB) Hex(007CB5) Hex(594B75) Hex(F5F5F5) Hex(757575)

	Hex(3B00B5)	Hex(BBA4EB)	Hex(007CB5)	Hex(594B75)	Hex(F5F5F5)	Hex(757575)
Hex(3B00B5)		Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 2.46 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 10.39 Passed ⁶	Ratio: 2.46 Failed ⁵
Hex(BBA4EB)	Ratio: 5.19 AA ¹ AAA 18pt ⁴		Ratio: 2.11 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.00 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(007CB5)	Ratio: 2.46 Failed ⁵	Ratio: 2.11 Failed ⁵		Ratio: 1.69 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 1.00 Failed ⁵
Hex(594B75)	Ratio: 1.45 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 1.69 Failed ⁵		Ratio: 7.17 Passed ⁶	Ratio: 1.70 Failed ⁵
Hex(F5F5F5)	Ratio: 10.39 Passed ⁶	Ratio: 2.00 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 7.17 Passed ⁶		Ratio: 4.23 AA 18pt ²
Hex(757575)	Ratio: 2.46 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 4.23 AA 18pt ²	

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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