

Converting Colors - WCAG Matrix

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

	Hex(AC9EC8)	Hex(9184AD)	Hex(776B92)	Hex(5E5278)	Hex(463B5F)	Hex(2F2647)	Hex(191131)	Hex(00001C)	Hex(000000)
Hex(AC9EC8)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 8.34 Passed ⁶	Ratio: 8.48 Passed ⁶
Hex(9184AD)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴
Hex(776B92)	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.30 AA 18pt ²
Hex(5E5278)	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(463B5F)	Ratio: 4.13 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(2F2647)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(191131)	Ratio: 7.27 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(00001C)	Ratio: 8.34 Passed ⁶	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 8.48 Passed ⁶	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.17 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.

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