

Converting Colors - WCAG Matrix

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

	Hex(7058BF)	Hex(7F6BBF)	Hex(8D7EBF)	Hex(9C91BF)	Hex(ABA4BF)	Hex(B9B8BF)	Hex(C8CBBF)	Hex(D7DEBF)	Hex(E5F1BF)	Hex(F4FFBF)
Hex(7058BF)		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴
Hex(7F6BBF)	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 4.18 AA 18pt ²
Hex(8D7EBF)	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(9C91BF)	Ratio: 1.88 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(ABA4BF)	Ratio: 2.29 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(B9B8BF)	Ratio: 2.78 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(C8CBBF)	Ratio: 3.32 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(D7DEBF)	Ratio: 3.93 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(E5F1BF)	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(F4FFBF)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 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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