

Converting Colors - WCAG Matrix

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

	Hex(023D5D)	Hex(275476)	Hex(426C90)	Hex(5D85AA)	Hex(77A0C5)	Hex(92BAE2)	Hex(AED6FE)	Hex(CAF2FF)	Hex(E7FFFF)	Hex(FFFFFF)
Hex(023D5D)		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 11.02 Passed ⁶	Ratio: 11.49 Passed ⁶
Hex(275476)	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 8.03 Passed ⁶
Hex(426C90)	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴
Hex(5D85AA)	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 3.89 AA 18pt ²
Hex(77A0C5)	Ratio: 4.17 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(92BAE2)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(AED6FE)	Ratio: 7.58 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(CAF2FF)	Ratio: 9.66 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(E7FFFF)	Ratio: 11.02 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(FFFFFF)	Ratio: 11.49 Passed ⁶	Ratio: 8.03 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.04 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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