

Converting Colors - WCAG Matrix

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

	Hex(9999EB)	Hex(7D80CF)	Hex(6366B3)	Hex(474F96)	Hex(2B387D)	Hex(082163)	Hex(000D4A)	Hex(000333)	Hex(00031F)	Hex(000000)
Hex(9999EB)		Ratio: 1.38 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 7.85 Passed ⁶	Ratio: 8.11 Passed ⁶
Hex(7D80CF)	Ratio: 1.38 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴
Hex(6366B3)	Ratio: 1.99 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 3.85 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(474F96)	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(2B387D)	Ratio: 4.13 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(082163)	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(000D4A)	Ratio: 7.01 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(000333)	Ratio: 7.65 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00031F)	Ratio: 7.85 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 8.11 Passed ⁶	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.03 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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