

Converting Colors - WCAG Matrix

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

	Hex(00AFEE)	Hex(0094D2)	Hex(007BB6)	Hex(00629B)	Hex(004A80)	Hex(003467)	Hex(00204E)	Hex(000537)	Hex(000221)	Hex(000006)
Hex(00AFEE)		Ratio: 1.36 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 8.12 Passed ⁶	Ratio: 8.34 Passed ⁶
Hex(0094D2)	Ratio: 1.36 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 6.15 AA ¹ AAA 18pt ⁴
Hex(007BB6)	Ratio: 1.86 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(00629B)	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.21 AA 18pt ²
Hex(004A80)	Ratio: 3.65 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(003467)	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(00204E)	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(000537)	Ratio: 7.77 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(000221)	Ratio: 8.12 Passed ⁶	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000006)	Ratio: 8.34 Passed ⁶	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 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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