

Converting Colors - WCAG Matrix

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

Hex(471BE3) Hex(CBBDFE) Hex(1BB8E3) Hex(615880) Hex(000000) Hex(808080)

	Hex(471BE3)	Hex(CBBDFE)	Hex(1BB8E3)	Hex(615880)	Hex(000000)	Hex(808080)
Hex(471BE3)		Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 1.27 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(CBBDFE)	Ratio: 4.84 AA ¹ AAA 18pt ⁴		Ratio: 1.36 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 12.26 Passed ⁶	Ratio: 2.31 Failed ⁵
Hex(1BB8E3)	Ratio: 3.56 AA 18pt ²	Ratio: 1.36 Failed ⁵		Ratio: 2.80 Failed ⁵	Ratio: 9.01 Passed ⁶	Ratio: 1.69 Failed ⁵
Hex(615880)	Ratio: 1.27 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 2.80 Failed ⁵		Ratio: 3.22 AA 18pt ²	Ratio: 1.65 Failed ⁵
Hex(000000)	Ratio: 2.53 Failed ⁵	Ratio: 12.26 Passed ⁶	Ratio: 9.01 Passed ⁶	Ratio: 3.22 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.10 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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