

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(A9A9DE) Hex(B5B5FF) Hex(C4A9DE) Hex(656570) Hex(0100B0) Hex(000030)

	Hex(A9A9DE)	Hex(B5B5FF)	Hex(C4A9DE)	Hex(656570)	Hex(0100B0)	Hex(000030)
Hex(A9A9DE)		Ratio: 1.17 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 9.03 Passed ⁶
Hex(B5B5FF)	Ratio: 1.17 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 10.57 Passed ⁶
Hex(C4A9DE)	Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 2.76 Failed ⁵	Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 9.67 Passed ⁶
Hex(656570)	Ratio: 2.58 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 2.76 Failed ⁵		Ratio: 2.24 Failed ⁵	Ratio: 3.50 AA 18pt ²
Hex(0100B0)	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 2.24 Failed ⁵		Ratio: 1.56 Failed ⁵
Hex(000030)	Ratio: 9.03 Passed ⁶	Ratio: 10.57 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 3.50 AA 18pt ²	Ratio: 1.56 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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