

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.									
	Hex(5C5C7D)	Hex(4F4F7D)	Hex(42427D)	Hex(36367D)	Hex(29297D)	Hex(1C1C7D)	Hex(12127D)	Hex(05057D)	Hex(00007D)
Hex(5C5C7D)		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(4F4F7D)	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(42427D)	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(36367D)	Ratio: 1.66 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(29297D)	Ratio: 1.92 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(1C1C7D)	Ratio: 2.17 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(12127D)	Ratio: 2.33 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(05057D)	Ratio: 2.48 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(00007D)	Ratio: 2.53 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.02 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.