

Converting Colors - WCAG Matrix

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

	Hex(19515F)	Hex(22525F)	Hex(2C565F)	Hex(36565F)	Hex(3F585F)	Hex(495B5F)	Hex(525D5F)	Hex(5C5E5F)	Hex(65605F)	Hex(6E625F)
Hex(19515F)		Ratio: 1.02 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(22525F)	Ratio: 1.02 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(2C565F)	Ratio: 1.09 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(36565F)	Ratio: 1.11 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(3F585F)	Ratio: 1.16 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(495B5F)	Ratio: 1.24 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(525D5F)	Ratio: 1.30 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(5C5E5F)	Ratio: 1.35 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(65605F)	Ratio: 1.42 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(6E625F)	Ratio: 1.50 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 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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