

# Converting Colors - WCAG Matrix

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

	Hex(01263D)	Hex(07283D)	Hex(0D2B3D)	Hex(132D3D)	Hex(1A2F3D)	Hex(20323D)	Hex(26343D)	Hex(2C363D)	Hex(32393D)	Hex(383B3D)
Hex(01263D)		Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(07283D)	Ratio: 1.03 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>
Hex(0D2B3D)	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>
Hex(132D3D)	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>		Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>
Hex(1A2F3D)	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.10 Failed <sup>5</sup>	Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>
Hex(20323D)	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>
Hex(26343D)	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.08 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>
Hex(2C363D)	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>
Hex(32393D)	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>
Hex(383B3D)	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Failed to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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