

# Converting Colors - WCAG Matrix

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

Hex(2D8D9E) Hex(1DB4CF) Hex(2D559E) Hex(474E4F) Hex(00798F) Hex(00D0F)

	Hex(2D8D9E)	Hex(1DB4CF)	Hex(2D559E)	Hex(474E4F)	Hex(00798F)	Hex(00D0F)
Hex(2D8D9E)		Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.19 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 5.09 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(1DB4CF)	Ratio: 1.57 Failed <sup>5</sup>		Ratio: 2.92 Failed <sup>5</sup>	Ratio: 3.43 AA 18pt <sup>2</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 7.97 Passed <sup>6</sup>
Hex(2D559E)	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.73 Failed <sup>5</sup>
Hex(474E4F)	Ratio: 2.19 Failed <sup>5</sup>	Ratio: 3.43 AA 18pt <sup>2</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.67 Failed <sup>5</sup>	Ratio: 2.32 Failed <sup>5</sup>
Hex(00798F)	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>		Ratio: 3.88 AA 18pt <sup>2</sup>
Hex(00D0F)	Ratio: 5.09 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.97 Passed <sup>6</sup>	Ratio: 2.73 Failed <sup>5</sup>	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 3.88 AA 18pt <sup>2</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

Fails 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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