

# Converting Colors - WCAG Matrix

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

	Hex(394A50)	Hex(414C50)	Hex(494E50)	Hex(515050)	Hex(595250)	Hex(615450)	Hex(695750)	Hex(715950)	Hex(795B50)	Hex(815D50)
Hex(394A50)		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>
Hex(414C50)	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.30</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>
Hex(494E50)	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.30</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.45</a> Failed <sup>5</sup>
Hex(515050)	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>
Hex(595250)	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>
Hex(615450)	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>
Hex(695750)	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.30</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>
Hex(715950)	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.30</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>
Hex(795B50)	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>
Hex(815D50)	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.45</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> 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

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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