

Converting Colors

CIELCh(50, 10.195, 226.046)

Have a look what the booklet for
CIELCh(50, 10.195, 226.046)
contains.

CIELCh(50, 10.195, 226.052)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 10.195, 226.052)

Conversions

Conversions Part 1

Format	Color
Hex	627B83
RGB	98, 123, 131
RGB Percent	38%, 48%, 51%
CMY	0.6155, 0.5174, 0.4861
CMYK	0.25, 0.06, 0.00, 0.49
HSL	195°, 14%, 45%
HSV	195°, 25%, 51%
XYZ	16.2324, 18.4187, 24.1913
YIQ	116.4370, -17.4680, -2.8120

Conversions

Conversions Part 2

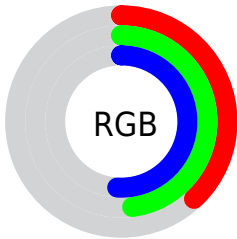
Format	Color
RYB	98, 112, 131
Decimal	6454147
CIELab	50.00, -7.08, -7.34
CIElCh	50, 10.195, 226.052
Yxy	18.4187, 0.2759, 0.3130
Android (android.graphics.Color)	4284644227 (0xFF627B83)
YUV	116.4370, 7.1796, -16.1692
Hunter-Lab	42.9170, -7.5910, -3.3786

Details

The CIELCh color $50, 10.195, 226.052$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $47, 11.921, 43.671$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 10.287, 227.545$, and $30, 10.314, 228.264$ is the 20% darker color. If you saturate the color by 10%, you get $48, 13.785, 227.002$, and if you desaturate by 10%, it is $52, 6.318, 225.334$.

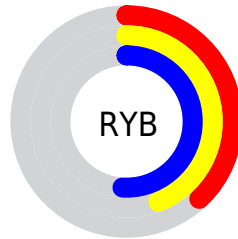
Distribution



Red (38%)

Green (48%)

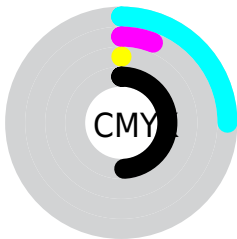
Blue (51%)



Red (38%)

Yellow (44%)

Blue (51%)

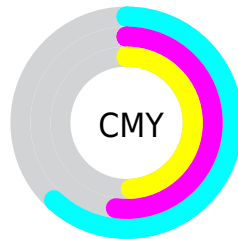


Cyan (25%)

Magenta (6%)

Yellow (0%)

Black (49%)



Cyan (62%)


Magenta (52%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 10.195, 226.052 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 10.195, 226.052 by changing the saturation by 10% instead.


 50, 10.195,
226.052


 50, 10.195,
226.052


 100, 10.195,
226.052


 40, 10.195,
226.052


 70, 10.195,
226.052

 30, 10.195,
226.052


 80, 10.195,
226.052


 20, 10.195,
226.052

 90, 10.195,
226.052

 10, 10.195,
226.052

 0, 10.195, 226.052

 50, 10.195,
226.052

 50, 10.195,
226.052

■ 48, 13.785,
227.002

■ 52, 6.318, 225.334

■ 47, 17.031,
228.251

■ 54, 2.207, 224.896

■ 45, 19.883,
229.860

■ 56, 2.088, 44.126

■ 43, 22.299,
231.906

■ 58, 6.525, 43.957

■ 42, 24.260,
234.473

■ 60, 11.068, 43.775

■ 41, 25.785,
237.636

■ 62, 15.687, 43.647

■ 40, 26.951,
241.400

■ 64, 20.358, 43.569

■ 39, 27.506,
243.226

■ 66, 25.060, 43.529

■ 68, 29.778, 43.520

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 10.195, 226.052



47, 11.921, 43.671

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



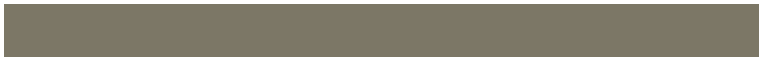
50, 10.195, 226.052



50, 10.195, 276.052



50, 10.195, 46.052



50, 10.195, 96.052

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 10.195, 226.046



68, 4.204, 224.982



52, 19.836, 149.928



35, 3.002, 225.037



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 10.195, 226.046



63, 14.825, 226.540



45, 14.688, 279.529



27, 2.404, 225.020



39, 27.349, 243.188



0, 0.588, 224.510

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46, 19.824, 333.662



57, 29.319, 334.044



51, 14.506, 93.124



26, 4.452, 332.589



28, 58.520, 340.391



0, 1.059, 332.052

Previews

White Background



This preview shows how the CIE LCh color 50, 10.195, 226.052 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 10.195, 226.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

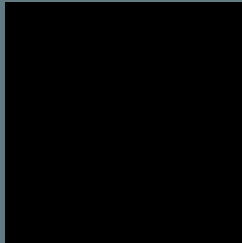
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

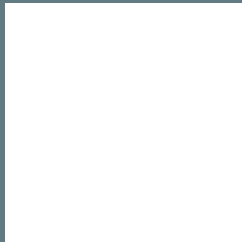
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 10.195, 226.052

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.195, 226.052.



This preview shows how white text looks on a background with the CIELCh color 50, 10.195, 226.052.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


50, 10.195, 226.052

Protanopia

50, 5.858, 290.945

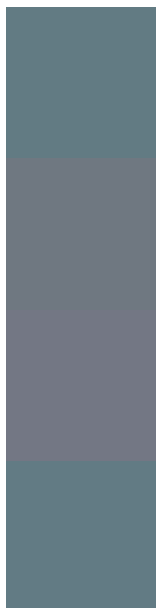
Deuteranopia

50, 10.474, 308.604



Tritanopia
50, 10.685, 231.996

Trichromacy



Original Color
50, 10.195, 226.052

Protanomaly
50, 6.221, 257.266

Deuteranomaly
50, 7.725, 279.775

Tritanomaly
50, 10.427, 229.092

Monochromacy



Original Color
50, 10.195, 226.052

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.064, 215.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.195, 226.052 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(98, 123, 131)` looks like.

```
.text, #text, p{  
    color:rgb(98, 123, 131)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(98, 123, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 123, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.195, 226.052 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 123, 131) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(98, 123, 131) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(98, 123, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 123, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 123, 131);  
box-shadow:4px 4px 4px 4px rgb(98, 123,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.195, 226.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 123, 131) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(98, 123,  
131) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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