

Converting Colors

CIELCh(51, 10.521, 172.916)

Have a look what the booklet for
CIELCh(51, 10.521, 172.916)
contains.

CIELCh(51, 10.860, 172.822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 10.860, 172.822)

Conversions

Conversions Part 1

Format	Color
Hex	667F77
RGB	102, 127, 119
RGB Percent	40%, 50%, 47%
CMY	0.6007, 0.5027, 0.5341
CMYK	0.20, 0.00, 0.06, 0.50
HSL	161°, 11%, 45%
HSV	161°, 20%, 50%
XYZ	16.3399, 19.2686, 20.2495
YIQ	118.6130, -12.3320, -7.7880

Conversions

Conversions Part 2

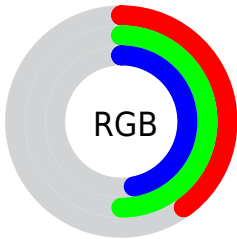
Format	Color
RYB	102, 117, 127
Decimal	6717303
CIELab	51.00, -10.77, 1.36
CIELCh	51, 10.860, 172.822
Yxy	19.2686, 0.2925, 0.3450
Android (android.graphics.Color)	4284907383 (0xFF667F77)
YUV	118.6130, 0.1908, -14.5696
Hunter-Lab	43.8960, -10.3732, 3.3763

Details

The CIELCh color $51, 10.860, 172.822$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 11.427, 356.469$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 11.143, 172.343$, and $31, 10.659, 173.071$ is the 20% darker color. If you saturate the color by 10%, you get $50, 16.166, 171.789$, and if you desaturate by 10%, it is $52, 5.393, 173.793$.

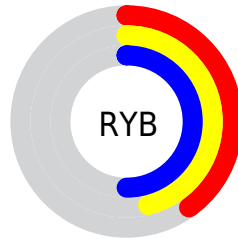
Distribution



Red (40%)

Green (50%)

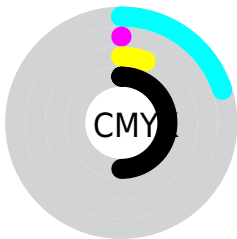
Blue (47%)



Red (40%)

Yellow (46%)

Blue (50%)

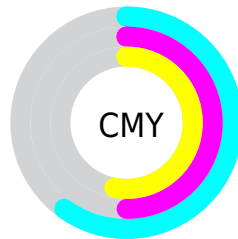


Cyan (20%)

Magenta (0%)

Yellow (6%)

Black (50%)



Cyan (60%)


Magenta (50%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 10.860, 172.822 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 51, 10.860, 172.822 by changing the saturation by 10% instead.


 51, 10.860,
172.822


 51, 10.860,
172.822


 100, 10.860,
172.822


 41, 10.860,
172.822


 71, 10.860,
172.822

 31, 10.860,
172.822

 81, 10.860,
172.822

 21, 10.860,
172.822

 91, 10.860,
172.822

 11, 10.860,
172.822

 1, 10.860, 172.822

 0, 10.860, 172.822

■ 51, 10.860,
172.822

■ 51, 10.860,
172.822

■ 50, 16.166,
171.789

■ 52, 5.393, 173.793

■ 49, 21.227,
170.674

■ 53, 0.165, 352.570

■ 54, 5.754, 355.378

■ 49, 25.958,
169.451

■ 56, 11.325,
356.188

■ 48, 30.275,
168.099

■ 57, 16.840,
356.939

■ 48, 34.106,
166.594

■ 59, 22.274,
357.651

■ 47, 37.403,
164.917

■ 60, 27.606,
358.331

■ 47, 40.156,
163.052

■ 62, 32.825,
358.981

■ 47, 42.552,

161.122

■ 63, 37.924,
359.605

■ 47, 42.621,
161.069

Harmonies

Complementary

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



51, 10.860, 172.822



46, 11.427, 356.469

Rectangle

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



51, 10.860, 172.822



51, 10.860, 222.822



51, 10.860, 352.822



51, 10.860, 42.822

Sweetspot

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



51, 10.861, 172.818



67, 4.155, 174.150



51, 16.060, 133.833



35, 2.777, 174.096



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 10.861, 172.818



65, 16.371, 172.327



50, 8.171, 216.087



26, 3.145, 173.852



47, 42.799, 161.056



0, 0.000, 0.000

Inverse Universe

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



46, 11.427, 356.469



57, 17.452, 357.032



47, 9.274, 35.681



25, 3.221, 355.346



26, 51.552, 17.333



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 51, 10.860, 172.822 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 51, 10.860, 172.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

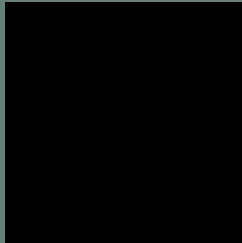
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 10.860, 172.822

Background



This preview shows how black text looks on a background with the CIELCh color 51, 10.860, 172.822.

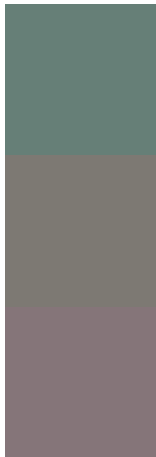


This preview shows how white text looks on a background with the CIELCh color 51, 10.860, 172.822.

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

51, 10.860, 172.822

Protanopia

51, 3.839, 84.400

Deuteranopia

51, 6.926, 0.588



Tritanopia
51, 9.010, 239.380

Trichromacy



Original Color
51, 10.860, 172.822

Protanomaly
51, 4.758, 140.265

Deuteranomaly
51, 0.699, 74.865

Tritanomaly
51, 8.088, 211.187

Monochromacy



Original Color
51, 10.860, 172.822

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 4.012, 173.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 10.860, 172.822 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(102, 127, 119)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 119)  
}
```

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(102, 127, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 10.860, 172.822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

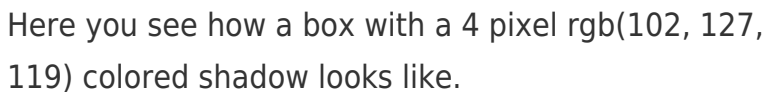
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 127, 119) }
```

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

```
.border{ border-color:rgb(102, 127, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 127, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 127, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 127, 119); box-shadow:4px 4px 4px 4px rgb(102, 127, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 10.860, 172.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 119) }
```

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

```
.background{ background-color: rgb(102,  
127, 119) }
```

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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