

Converting Colors

CIELCh(60, 12.702, 211.264)

Have a look what the booklet for
CIELCh(60, 12.702, 211.264)
contains.

CIELCh(60, 12.698, 211.261)	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(60, 12.698, 211.261)

Conversions

Conversions Part 1

Format	Color
Hex	74979C
RGB	116, 151, 156
RGB Percent	45%, 59%, 61%
CMY	0.5462, 0.4090, 0.3894
CMYK	0.26, 0.03, 0.00, 0.39
HSL	187°, 17%, 53%
HSV	187°, 26%, 61%
XYZ	24.1604, 28.1233, 35.4774
YIQ	141.1050, -22.4650, -5.8650

Conversions

Conversions Part 2

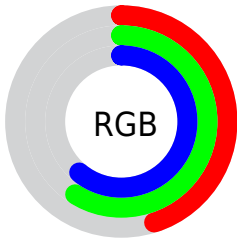
Format	Color
R_{YB}	116, 135, 156
Decimal	7640988
CIE _{Lab}	60.00, -10.85, -6.59
CIE _{LCh}	60, 12.698, 211.261
Yxy	28.1233, 0.2753, 0.3205
Android (android.graphics.Color)	4285831068 (0xFF74979C)
YUV	141.1050, 7.3432, -22.0171
Hunter-Lab	53.0314, -11.4830, -2.5423

Details

The CIELCh color `60, 12.698, 211.261` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `54, 15.125, 31.799`, and the grayscale version is `59, 0.007, 296.813`.

A 20% lighter version of the original color is `80, 12.583, 210.850`, and `40, 12.758, 211.895` is the 20% darker color. If you saturate the color by 10%, you get `59, 16.974, 211.490`, and if you desaturate by 10%, it is `62, 8.007, 211.173`.

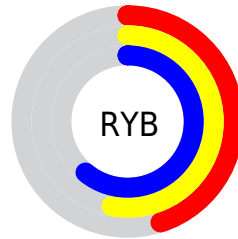
Distribution



Red (45%)

Green (59%)

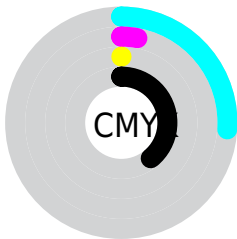
Blue (61%)



Red (45%)

Yellow (53%)

Blue (61%)

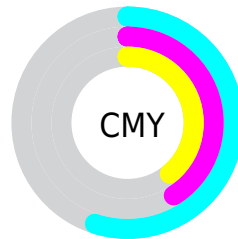


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (39%)



Cyan (55%)


Magenta (41%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 12.698, 211.261 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 60, 12.698, 211.261 by changing the saturation by 10% instead.


 60, 12.698,
211.261


 60, 12.698,
211.261


 100, 12.698,
211.261


 50, 12.698,
211.261


 80, 12.698,
211.261

 40, 12.698,
211.261

 90, 12.698,
211.261


 30, 12.698,
211.261

 20, 12.698,
211.261

 10, 12.698,
211.261

 0, 12.698, 211.261

 60, 12.698,

 60, 12.698,

211.261

211.261

■ 59, 16.974,
211.490

■ 62, 8.007, 211.173

■ 57, 20.751,
211.903

■ 63, 2.979, 211.278

■ 65, 2.311, 31.018

■ 56, 23.953,
212.530

■ 67, 7.800, 31.321

■ 55, 26.517,
213.417

■ 69, 13.433, 31.558

■ 71, 19.166, 31.819

■ 54, 28.405,
214.611

■ 73, 24.962, 32.102

■ 53, 29.621,
216.162

■ 75, 30.792, 32.401

■ 77, 36.284, 32.785

■ 52, 30.230,
218.100

■ 52, 30.426,
218.982

Harmonies

Complementary

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



60, 12.698, 211.261



54, 15.125, 31.799

Rectangle

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



60, 12.698, 211.261



60, 12.698, 261.261



60, 12.698, 31.261



60, 12.698, 81.261

Sweetspot

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



60, 12.698, 211.256



79, 5.142, 211.221



61, 25.356, 146.030



42, 3.670, 211.201



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



60, 12.698, 211.256



75, 18.495, 211.374



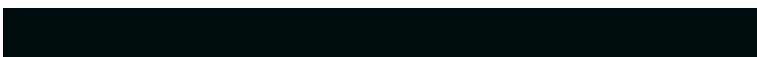
54, 15.030, 270.731



33, 2.975, 211.205



48, 28.574, 218.791



3, 3.914, 213.796

Inverse Universe

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



54, 25.257, 329.527



66, 37.545, 329.880



59, 15.365, 83.653



31, 5.601, 328.546



32, 68.182, 333.793



1, 7.162, 328.819

Previews

White Background



This preview shows how the CIELCh color 60, 12.698, 211.261 looks on a white background.

Color Contrast Check

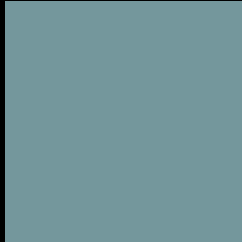
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 60, 12.698, 211.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

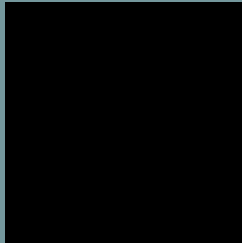
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 12.698, 211.261

Background



This preview shows how black text looks on a background with the CIELCh color 60, 12.698, 211.261.

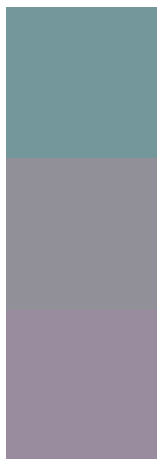


This preview shows how white text looks on a background with the CIELCh color 60, 12.698, 211.261.

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

60, 12.698, 211.261

Protanopia

60, 4.603, 300.230

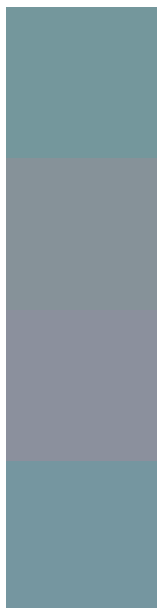
Deuteranopia

60, 11.202, 315.121



Tritanopia
60, 13.192, 229.613

Trichromacy



Original Color
60, 12.698, 211.261

Protanomaly
60, 5.898, 241.370

Deuteranomaly
60, 7.543, 276.775

Tritanomaly
60, 12.757, 224.914

Monochromacy



Original Color
60, 12.698, 211.261

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 4.944, 205.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 12.698, 211.261 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(116, 151, 156)` looks like.

```
.text, #text, p{  
    color:rgb(116, 151, 156)  
}
```

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(116, 151, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 151, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 12.698, 211.261 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(116, 151, 156) }
```

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

```
.border{ border-color:rgb(116, 151, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 151, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 151, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 151, 156);  
box-shadow:4px 4px 4px 4px rgb(116, 151,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 12.698, 211.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 151, 156) }
```

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

```
.background{ background-color: rgb(116,  
151, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor