

Converting Colors

CIELCh(61, 112.946, 118.156)

Have a look what the booklet for
CIELCh(61, 112.946, 118.156)
contains.

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Color

CIELCh(61, 80.175, 128.507)

Conversions

Conversions Part 1

Format	Color
Hex	50A700
RGB	80, 167, 0
RGB Percent	31%, 65%, 0%
CMY	0.6875, 0.3459, 1.0000
CMYK	0.52, 0.00, 1.00, 0.35
HSL	91°, 100%, 33%
HSV	91°, 100%, 65%
XYZ	17.0482, 29.2481, 4.6722
YIQ	121.9490, 1.7550, -70.3810

Conversions

Conversions Part 2

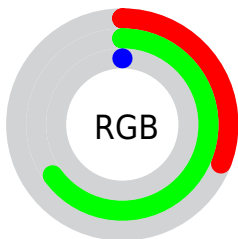
Format	Color
RYB	0, 167, 87
Decimal	5285632
CIELab	61.00, -49.92, 62.74
CIELCh	61, 80.175, 128.507
Yxy	29.2481, 0.3345, 0.5738
Android (android.graphics.Color)	4283475712 (0xFF50A700)
YUV	121.9490, -60.1209, -36.7893
Hunter-Lab	54.0815, -38.3740, 32.7349

Details

The CIELCh color **61, 80.175, 128.507** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **26, 90.304, 312.503**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 79.858, 128.675**, and **41, 66.127, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 79.856, 128.638**, and if you desaturate by 10%, it is **61, 76.380, 127.750**.

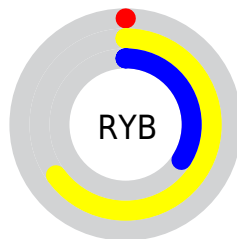
Distribution



Red (31%)

Green (65%)

Blue (0%)



Red (0%)

Yellow (65%)

Blue (34%)

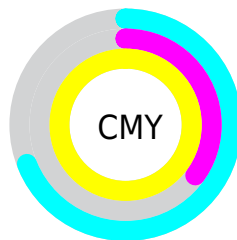


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (69%)


Magenta (35%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 80.175, 128.507 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 61, 80.175, 128.507 by changing the saturation by 10% instead.


 61, 80.175,
128.507


 61, 80.175,
128.507


 100, 80.175,
128.507


 51, 80.175,
128.507


 81, 80.175,
128.507

 41, 80.175,
128.507

 91, 80.175,
128.507

 31, 80.175,
128.507

 21, 80.175,
128.507

 11, 80.175,
128.507

 1, 80.175, 128.507

 0, 80.175, 128.507

■ 61, 80.175,
128.507

■ 61, 80.175,
128.507

■ 61, 79.856,
128.638

■ 61, 76.380,
127.750

■ 62, 71.405,
127.206

■ 62, 64.790,
127.075

■ 63, 56.930,
127.237

■ 64, 48.215,
127.578

■ 64, 38.954,
128.014

■ 65, 29.368,
128.487

■ 66, 19.612,

128.964

■ 67, 9.795, 129.427

Harmonies

Complementary

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



61, 80.175, 128.507



26, 90.304, 312.503

Rectangle

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



61, 80.175, 128.507



61, 80.175, 178.507



61, 80.175, 308.507



61, 80.175, 358.507

Sweetspot

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



61, 79.856, 128.638



83, 36.339, 128.461



45, 61.545, 62.291



44, 24.948, 128.267



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



61, 79.856, 128.638



78, 97.353, 128.933



59, 86.841, 136.169



35, 5.582, 129.459



55, 72.988, 128.476



5, 10.359, 132.112

Inverse Universe

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



26, 90.304, 312.503



35, 109.967, 312.297



39, 83.020, 328.900



33, 5.654, 310.232



23, 82.588, 312.615



1, 10.044, 307.297

Previews

White Background



This preview shows how the CIE LCh color 61, 80.175, 128.507 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 61, 80.175, 128.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

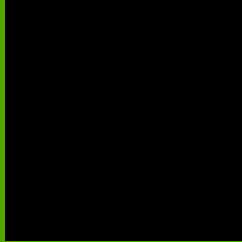
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 80.175, 128.507

Background



This preview shows how black text looks on a background with the CIELCh color 61, 80.175, 128.507.



This preview shows how white text looks on a background with the CIELCh color 61, 80.175, 128.507.

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
61, 79.895, 128.598

Protanopia
61, 64.866, 95.376

Deuteranopia
61, 58.499, 82.498



Tritanopia
61, 18.489, 221.547

Trichromacy



Original Color
61, 79.895, 128.598



Protanomaly
60, 67.259, 110.620



Deuteranomaly
60, 61.140, 104.554



Tritanomaly
60, 38.182, 146.877

Monochromacy



Original Color
61, 79.895, 128.598



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 36.132, 127.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 80.175, 128.507 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(80, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 167, 0)  
}
```

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(80, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 167, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 80.175, 128.507 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(80, 167, 0) }
```

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

```
.border{ border-color:rgb(80, 167, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 167, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 80.175, 128.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 167, 0) }
```

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

```
.background{ background-color: rgb(80, 167,  
0) }
```

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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