

Converting Colors

CIELCh(61, 60.460, 118.155)

Have a look what the booklet for
CIELCh(61, 60.460, 118.155)
contains.

CIELCh(61, 60.583, 118.109)	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(61, 60.583, 118.109)

Conversions

Conversions Part 1

Format	Color
Hex	7D9F2B
RGB	125, 159, 43
RGB Percent	49%, 62%, 17%
CMY	0.5106, 0.3772, 0.8322
CMYK	0.21, 0.00, 0.73, 0.38
HSL	78°, 58%, 40%
HSV	78°, 73%, 62%
XYZ	21.2262, 29.2481, 6.7926
YIQ	135.6100, 16.9720, -43.2840

Conversions

Conversions Part 2

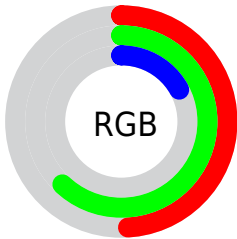
Format	Color
R_{YB}	43, 159, 77
Decimal	8232747
CIE _{Lab}	61.00, -28.54, 53.44
CIE _{LCh}	61, 60.583, 118.109
Yxy	29.2481, 0.3707, 0.5107
Android (android.graphics.Color)	4286422827 (0xFF7D9F2B)
YUV	135.6100, -45.6567, -9.3050
Hunter-Lab	54.0815, -24.5841, 30.4103

Details

The CIELCh color **61, 60.583, 118.109** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **29, 72.244, 307.368**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 60.523, 118.390**, and **41, 54.132, 120.413** is the 20% darker color. If you saturate the color by 10%, you get **61, 65.932, 118.271**, and if you desaturate by 10%, it is **61, 53.917, 118.258**.

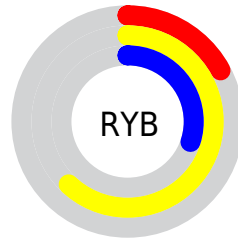
Distribution



Red (49%)

Green (62%)

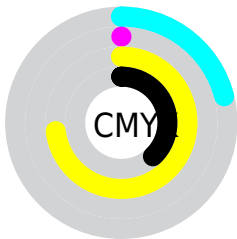
Blue (17%)



Red (17%)

Yellow (62%)

Blue (30%)

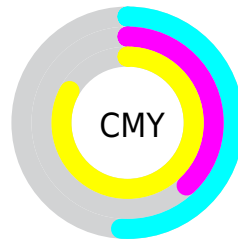


Cyan (21%)

Magenta (0%)

Yellow (73%)

Black (38%)



Cyan (51%)


Magenta (38%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 60.583, 118.109 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, 60.583, 118.109 by changing the saturation by 10% instead.


 61, 60.583,
118.109


 61, 60.583,
118.109


 100, 60.583,
118.109


 51, 60.583,
118.109


 81, 60.583,
118.109

 41, 60.583,
118.109

 91, 60.583,
118.109

 31, 60.583,
118.109

 21, 60.583,
118.109

 11, 60.583,
118.109

 1, 60.583, 118.109

 0, 60.583, 118.109

■ 61, 60.583,
118.109

■ 61, 60.583,
118.109

■ 61, 65.932,
118.271

■ 61, 53.917,
118.258

■ 60, 69.620,
118.839

■ 62, 46.318,
118.613

■ 60, 71.522,
119.381

■ 62, 38.105,
119.094

■ 63, 29.508,
119.644

■ 64, 20.683,
120.224

■ 64, 11.736,
120.808

■ 65, 2.738, 121.388

■ 66, 6.260, 301.913

■ 67, 15.223,
302.434

Harmonies

Complementary

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



61, 60.583, 118.109



29, 72.244, 307.368

Rectangle

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



61, 60.583, 118.109



61, 60.583, 168.109



61, 60.583, 298.109



61, 60.583, 348.109

Sweetspot

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



61, 60.583, 118.111



81, 24.458, 120.261



42, 47.544, 47.485



43, 16.549, 120.113



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



61, 60.583, 118.111



77, 83.352, 118.598



58, 69.341, 134.263



33, 5.067, 121.028



54, 66.119, 119.252



4, 6.687, 122.870

Inverse Universe

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



29, 72.244, 307.368



31, 104.023, 308.233



36, 70.802, 320.839



31, 5.160, 302.082



18, 84.218, 308.425



1, 6.640, 300.971

Previews

White Background



This preview shows how the CIELCh color 61, 60.583, 118.109 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, 60.583, 118.109 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, 60.583, 118.109

Background



This preview shows how black text looks on a background with the CIELCh color 61, 60.583, 118.109.



This preview shows how white text looks on a background with the CIELCh color 61, 60.583, 118.109.

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, 60.583, 118.109

Protanopia
61, 55.614, 95.234

Deuteranopia
61, 51.994, 81.255



Tritanopia
61, 7.615, 262.067

Trichromacy



Original Color
61, 60.583, 118.109

Protanomaly
61, 56.085, 104.330

Deuteranomaly
60, 51.970, 96.058

Tritanomaly
61, 21.038, 129.546

Monochromacy



Original Color
61, 60.583, 118.109

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 24.702, 120.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 60.583, 118.109 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(125, 159, 43)` looks like.

```
.text, #text, p{  
    color:rgb(125, 159, 43)  
}
```

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(125, 159, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 159, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 60.583, 118.109 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(125, 159, 43) }
```

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

```
.border{ border-color:rgb(125, 159, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 159, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 159, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 159, 43);  
box-shadow:4px 4px 4px 4px rgb(125, 159,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 60.583, 118.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 159, 43) }
```

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

```
.background{ background-color: rgb(125,  
159, 43) }
```

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