

Converting Colors

CIELCh(61, 52.504, 124.501)

Have a look what the booklet for
CIELCh(61, 52.504, 124.501)
contains.

CIELCh(61, 52.929, 124.562)	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, 52.929, 124.562)

Conversions

Conversions Part 1

Format	Color
Hex	76A042
RGB	118, 160, 66
RGB Percent	46%, 63%, 26%
CMY	0.5385, 0.3738, 0.7424
CMYK	0.26, 0.00, 0.59, 0.37
HSL	87°, 42%, 44%
HSV	87°, 59%, 63%
XYZ	20.9165, 29.2481, 9.6503
YIQ	136.7260, 5.1420, -38.1380

Conversions

Conversions Part 2

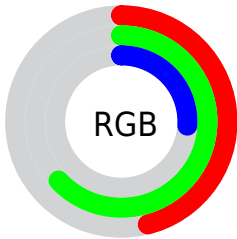
Format	Color
RYB	66, 160, 108
Decimal	7774274
CIELab	61.00, -30.03, 43.59
CIELCh	61, 52.929, 124.562
Yxy	29.2481, 0.3497, 0.4890
Android (android.graphics.Color)	4285964354 (0xFF76A042)
YUV	136.7260, -34.8679, -16.4227
Hunter-Lab	54.0815, -25.6064, 27.2774

Details

The CIELCh color $61, 52.929, 124.562$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $37, 58.469, 310.431$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $81, 53.091, 124.699$, and $41, 52.843, 124.436$ is the 20% darker color. If you saturate the color by 10%, you get $60, 60.450, 124.391$, and if you desaturate by 10%, it is $62, 44.636, 124.909$.

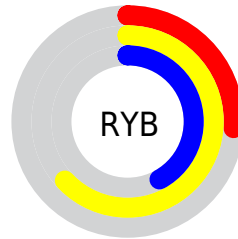
Distribution



Red (46%)

Green (63%)

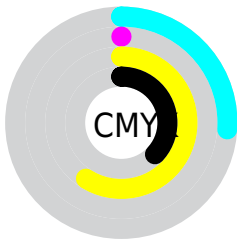
Blue (26%)



Red (26%)

Yellow (63%)

Blue (42%)

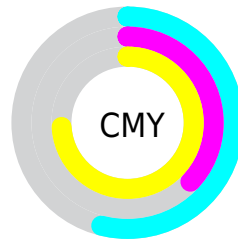


Cyan (26%)

Magenta (0%)

Yellow (59%)

Black (37%)



Cyan (54%)


Magenta (37%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 52.929, 124.562 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, 52.929, 124.562 by changing the saturation by 10% instead.


 61, 52.929,
124.562


 61, 52.929,
124.562


 100, 52.929,
124.562


 51, 52.929,
124.562


 81, 52.929,
124.562

 41, 52.929,
124.562

 91, 52.929,
124.562

 31, 52.929,
124.562

 21, 52.929,
124.562

 11, 52.929,
124.562

 1, 52.929, 124.562

 0, 52.929, 124.562

■ 61, 52.929,
124.562

■ 61, 52.929,
124.562

■ 60, 60.450,
124.391

■ 62, 44.636,
124.909

■ 60, 66.833,
124.500

■ 62, 35.849,
125.349

■ 60, 71.697,
125.008

■ 63, 26.768,
125.830

■ 59, 75.062,
125.899

■ 64, 17.530,
126.321

■ 59, 75.429,
125.995

■ 65, 8.228, 126.802

■ 66, 1.069, 307.164

■ 67, 10.316,
307.655

■ 68, 19.479,
308.046

■ 69, 28.532,
308.401

Harmonies

Complementary

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



61, 52.929, 124.562



37, 58.469, 310.431

Rectangle

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



61, 52.929, 124.562



61, 52.929, 174.562



61, 52.929, 304.562



61, 52.929, 354.562

Sweetspot

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



61, 52.930, 124.563



81, 20.636, 126.346



50, 35.532, 61.637



43, 14.450, 126.211



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, 52.930, 124.563



76, 76.041, 124.391



59, 60.783, 138.269



33, 5.211, 126.784



53, 69.409, 125.837



4, 6.870, 128.205

Inverse Universe

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



37, 58.469, 310.431



41, 86.203, 311.047



43, 60.685, 325.296



31, 5.288, 307.612



20, 81.761, 310.988



1, 6.801, 306.364

Previews

White Background



This preview shows how the CIELCh color 61, 52.929, 124.562 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, 52.929, 124.562 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, 52.929, 124.562

Background



This preview shows how black text looks on a background with the CIELCh color 61, 52.929, 124.562.



This preview shows how white text looks on a background with the CIELCh color 61, 52.929, 124.562.

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

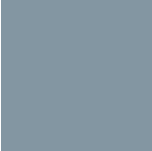
61, 52.929, 124.562

Protanopia

61, 46.273, 95.830

Deuteranopia

61, 42.879, 79.633



Tritanopia
61, 9.484, 244.591

Trichromacy



Original Color
61, 52.929, 124.562

Protanomaly
61, 47.400, 107.563

Deuteranomaly
60, 42.584, 98.589

Tritanomaly
61, 18.804, 144.286

Monochromacy



Original Color
61, 52.929, 124.562

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 20.773, 126.446

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 52.929, 124.562 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(118, 160, 66)` looks like.

```
.text, #text, p{  
    color:rgb(118, 160, 66)  
}
```

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(118, 160, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 160, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 52.929, 124.562 is called "border". The border property can be set on classes, ids or directly on the HTML element.

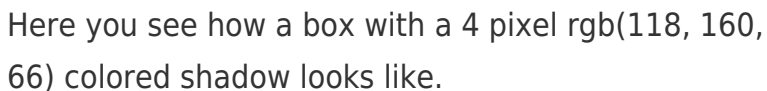
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 160, 66) }
```

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

```
.border{ border-color:rgb(118, 160, 66) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 160, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 160, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 160, 66);  
box-shadow:4px 4px 4px 4px rgb(118, 160,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 52.929, 124.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 160, 66) }
```

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

```
.background{ background-color: rgb(118,  
160, 66) }
```

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