

Converting Colors

CIELCh(59, 76.543, 130.728)

Have a look what the booklet for
CIELCh(59, 76.543, 130.728)
contains.

CIELCh(59, 76.375, 130.696)	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(59, 76.375, 130.696)

Conversions

Conversions Part 1

Format	Color
Hex	47A112
RGB	71, 161, 18
RGB Percent	28%, 63%, 7%
CMY	0.7198, 0.3671, 0.9307
CMYK	0.56, 0.00, 0.89, 0.37
HSL	98°, 80%, 35%
HSV	98°, 89%, 63%
XYZ	15.5520, 27.0277, 4.9550
YIQ	117.7880, -7.7370, -63.5530

Conversions

Conversions Part 2

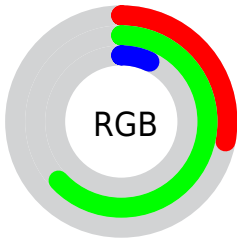
Format	Color
RYB	18, 161, 108
Decimal	4694290
CIELab	59.00, -49.80, 57.91
CIELCh	59, 76.375, 130.696
Yxy	27.0277, 0.3272, 0.5686
Android (android.graphics.Color)	4282884370 (0xFF47A112)
YUV	117.7880, -49.1955, -41.0331
Hunter-Lab	51.9882, -37.5821, 30.7408

Details

The CIELCh color **59, 76.375, 130.696** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **30, 82.022, 315.789**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 76.492, 130.798**, and **39, 63.636, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **59, 80.002, 131.395**, and if you desaturate by 10%, it is **59, 71.160, 130.339**.

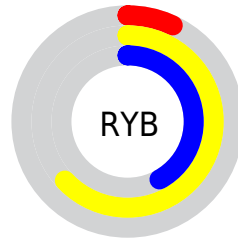
Distribution



Red (28%)

Green (63%)

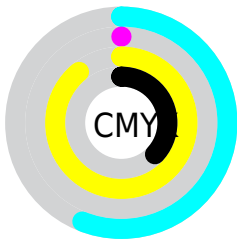
Blue (7%)



Red (7%)

Yellow (63%)

Blue (42%)

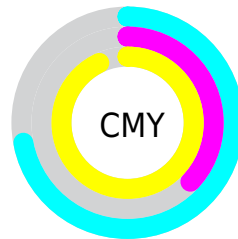


Cyan (56%)

Magenta (0%)

Yellow (89%)

Black (37%)



Cyan (72%)


Magenta (37%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 76.375, 130.696 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 59, 76.375, 130.696 by changing the saturation by 10% instead.

 59, 76.375,
130.696

 59, 76.375,
130.696


 100, 76.375,
130.696


 49, 76.375,
130.696


 79, 76.375,
130.696

 39, 76.375,
130.696

 89, 76.375,
130.696

 29, 76.375,
130.696

 99, 76.375,
130.696

 19, 76.375,
130.696

 9, 76.375, 130.696

 0, 76.375, 130.696

■ 59, 76.375,
130.696

■ 59, 76.375,
130.696

■ 59, 80.002,
131.395

■ 59, 71.160,
130.339

■ 59, 80.325,
131.451

■ 60, 64.345,
130.359

■ 61, 56.330,
130.635

■ 61, 47.496,
131.055

■ 62, 38.144,
131.541

■ 63, 28.491,
132.041

■ 64, 18.692,
132.525

■ 65, 8.858, 132.983

Harmonies

Complementary

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



59, 76.375, 130.696



30, 82.022, 315.789

Rectangle

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



59, 76.375, 130.696



59, 76.375, 180.696



59, 76.375, 310.696



59, 76.375, 0.696

Sweetspot

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



59, 76.375, 130.697



80, 32.702, 132.117



50, 54.879, 73.848



42, 21.976, 131.960



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 76.375, 130.697



74, 97.671, 131.722



58, 78.423, 138.436



34, 5.586, 132.973



53, 74.279, 131.320



4, 8.772, 134.490

Inverse Universe

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



30, 82.022, 315.789



37, 104.674, 315.045



38, 73.173, 332.840



32, 5.642, 313.704



25, 79.807, 315.334



1, 8.572, 311.432

Previews

White Background



This preview shows how the CIELCh color 59, 76.375, 130.696 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 59, 76.375, 130.696 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 59, 76.375, 130.696

Background



This preview shows how black text looks on a background with the CIELCh color 59, 76.375, 130.696.



This preview shows how white text looks on a background with the CIELCh color 59, 76.375, 130.696.

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
59, 76.202, 130.774

Protanopia
58, 61.553, 95.079

Deuteranopia
59, 55.304, 82.349



Tritanopia
59, 19.149, 218.893

Trichromacy



Original Color
59, 76.202, 130.774

Protanomaly
58, 63.648, 111.700

Deuteranomaly
58, 57.159, 105.852

Tritanomaly
58, 35.814, 152.513

Monochromacy



Original Color
59, 76.202, 130.774

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 32.656, 131.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 76.375, 130.696 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(71, 161, 18)` looks like.

```
.text, #text, p{  
    color:rgb(71, 161, 18)  
}
```

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(71, 161, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 161, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 76.375, 130.696 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(71, 161, 18) }
```

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

```
.border{ border-color:rgb(71, 161, 18) }
```

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

Here you see how a box with a 4 pixel rgb(71, 161, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 161, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 161, 18);  
box-shadow:4px 4px 4px 4px rgb(71, 161,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 76.375, 130.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 161, 18) }
```

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

```
.background{ background-color: rgb(71, 161,  
18) }
```

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