

Converting Colors

CIELCh(77, 57.747, 115.019)

Have a look what the booklet for
CIELCh(77, 57.747, 115.019)
contains.

CIELCh(77, 57.331, 115.117)	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(77, 57.331, 115.117)

Conversions

Conversions Part 1

Format	Color
Hex	B0C859
RGB	176, 200, 89
RGB Percent	69%, 78%, 35%
CMY	0.3080, 0.2139, 0.6493
CMYK	0.12, 0.00, 0.55, 0.21
HSL	73°, 50%, 57%
HSV	73°, 55%, 79%
XYZ	40.5898, 51.5317, 17.3531
YIQ	180.1700, 21.3270, -39.6090

Conversions

Conversions Part 2

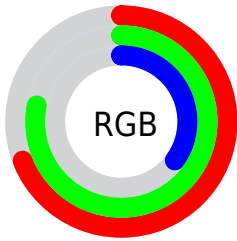
Format	Color
RYB	89, 200, 113
Decimal	11585625
CIELab	77.00, -24.34, 51.91
CIELCh	77, 57.331, 115.117
Yxy	51.5317, 0.3708, 0.4707
Android (android.graphics.Color)	4289775705 (0xFFB0C859)
YUV	180.1700, -44.9468, -3.6571
Hunter-Lab	71.7856, -24.6956, 35.9175

Details

The CIELCh color **77, 57.331, 115.117** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **46, 65.923, 303.818**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 56.577, 114.742**, and **57, 57.164, 115.104** is the 20% darker color. If you saturate the color by 10%, you get **77, 65.999, 114.731**, and if you desaturate by 10%, it is **78, 47.777, 115.653**.

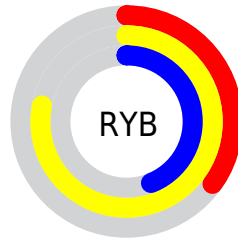
Distribution



Red (69%)

Green (78%)

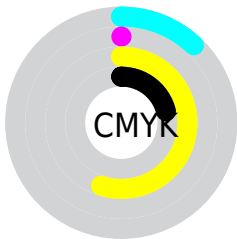
Blue (35%)



Red (35%)

Yellow (78%)

Blue (44%)

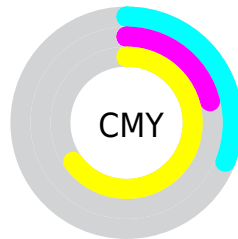


Cyan (12%)

Magenta (0%)

Yellow (55%)

Black (21%)



Cyan (31%)


Magenta (21%)


Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 57.331, 115.117 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 77, 57.331, 115.117 by changing the saturation by 10% instead.


 77, 57.331,
115.117


 77, 57.331,
115.117


 100, 57.331,
115.117


 67, 57.331,
115.117


 97, 57.331,
115.117

 57, 57.331,
115.117

 47, 57.331,
115.117

 37, 57.331,
115.117

 27, 57.331,
115.117

 17, 57.331,
115.117

 7, 57.331, 115.117

■ 0, 57.331, 115.117

■ 77, 57.331,
115.117

■ 77, 57.331,
115.117

■ 77, 65.999,
114.731

■ 78, 47.777,
115.653

■ 76, 73.338,
114.572

■ 78, 37.658,
116.271

■ 76, 78.858,
114.738

■ 79, 27.198,
116.931

■ 75, 82.219,
115.307

■ 80, 16.544,
117.603

■ 75, 83.319,
115.649

■ 80, 5.795, 118.268

■ 81, 4.982, 298.905

■ 82, 15.741,

299.522

■ 83, 26.449,
300.104

■ 84, 29.378,
302.317

Harmonies

Complementary

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



77, 57.331, 115.117



46, 65.923, 303.818

Rectangle

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



77, 57.331, 115.117



77, 57.331, 165.117



77, 57.331, 295.117



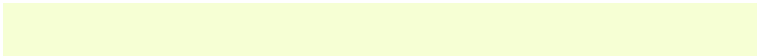
77, 57.331, 345.117

Sweetspot

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



77, 57.332, 115.119



98, 22.212, 117.478



57, 43.017, 40.162



52, 14.848, 117.341



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 57.332, 115.119



95, 80.596, 114.689



74, 64.750, 132.921



42, 6.064, 118.004



62, 71.466, 115.476



13, 20.865, 118.442

Inverse Universe

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



46, 65.923, 303.818



50, 96.434, 305.200



51, 67.310, 317.979



39, 6.188, 299.259



20, 94.099, 307.468



2, 21.685, 297.423

Previews

White Background



This preview shows how the CIELCh color 77, 57.331, 115.117 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 77, 57.331, 115.117 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 ✓ Pass

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

CIELCh 77, 57.331, 115.117

Background



This preview shows how black text looks on a background with the CIELCh color 77, 57.331, 115.117.



This preview shows how white text looks on a background with the CIELCh color 77, 57.331, 115.117.

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
77, 57.331, 115.117

Protanopia
77, 54.330, 95.404

Deuteranopia
77, 51.198, 79.361



Tritanopia
77, 8.112, 295.996

Trichromacy



Original Color
77, 57.331, 115.117

Protanomaly
77, 54.736, 103.236

Deuteranomaly
77, 50.542, 93.559

Tritanomaly
77, 16.836, 119.236

Monochromacy



Original Color
77, 57.331, 115.117

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 21.700, 117.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 57.331, 115.117 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(176, 200, 89)` looks like.

```
.text, #text, p{  
    color:rgb(176, 200, 89)  
}
```

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(176, 200, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 200, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 57.331, 115.117 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(176, 200, 89) }
```

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

```
.border{ border-color:rgb(176, 200, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 200, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 200, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 200, 89);  
box-shadow:4px 4px 4px 4px rgb(176, 200,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 57.331, 115.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 200, 89) }
```

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

```
.background{ background-color: rgb(176,  
200, 89) }
```

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