

Converting Colors

CIELCh(63, 72.835, 116.803)

Have a look what the booklet for
CIELCh(63, 72.835, 116.803)
contains.

CIELCh(63, 72.835, 116.803)	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(63, 72.835, 116.803)

Conversions

Conversions Part 1

Format	Color
Hex	7EA600
RGB	126, 166, 0
RGB Percent	49%, 65%, 0%
CMY	0.5070, 0.3501, 1.0000
CMYK	0.24, 0.00, 1.00, 0.35
HSL	74°, 100%, 32%
HSV	74°, 100%, 65%
XYZ	22.1463, 31.5869, 4.9120
YIQ	135.1160, 29.4460, -60.1060

Conversions

Conversions Part 2

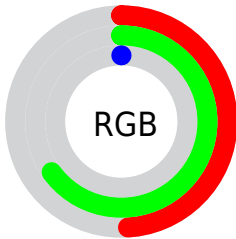
Format	Color
RYB	0, 166, 40
Decimal	8300032
CIELab	63.00, -32.84, 65.01
CIELCh	63, 72.835, 116.803
Yxy	31.5869, 0.3776, 0.5386
Android (android.graphics.Color)	4286490112 (0xFF7EA600)
YUV	135.1160, -66.6122, -7.9947
Hunter-Lab	56.2022, -28.0166, 34.1597

Details

The CIELCh color **63, 72.835, 116.803** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **21, 94.847, 307.709**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 72.886, 116.619**, and **43, 57.535, 122.709** is the 20% darker color. If you saturate the color by 10%, you get **63, 72.757, 116.826**, and if you desaturate by 10%, it is **63, 70.070, 116.151**.

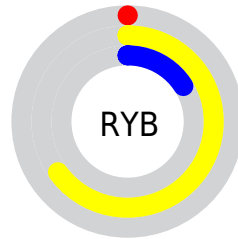
Distribution



Red (49%)

Green (65%)

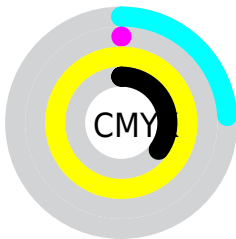
Blue (0%)



Red (0%)

Yellow (65%)

Blue (16%)

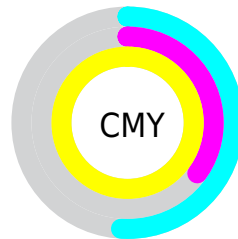


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (51%)


Magenta (35%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 72.835, 116.803 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 63, 72.835, 116.803 by changing the saturation by 10% instead.


 63, 72.835,
116.803


 63, 72.835,
116.803


 100, 72.835,
116.803


 53, 72.835,
116.803


 83, 72.835,
116.803

 43, 72.835,
116.803

 93, 72.835,
116.803

 33, 72.835,
116.803

 23, 72.835,
116.803

 13, 72.835,
116.803

 3, 72.835, 116.803

 0, 72.835, 116.803

■ 63, 72.835,
116.803

■ 63, 72.835,
116.803

■ 63, 72.757,
116.826

■ 63, 70.070,
116.151

■ 64, 65.898,
115.799

■ 64, 60.068,
115.809

■ 64, 52.970,
116.084

■ 65, 44.995,
116.534

■ 65, 36.453,
117.090

■ 66, 27.558,
117.702

■ 67, 18.457,

118.335

■ 67, 9.246, 118.969

Harmonies

Complementary

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



63, 72.835, 116.803



21, 94.847, 307.709

Rectangle

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



63, 72.835, 116.803



63, 72.835, 166.803



63, 72.835, 296.803



63, 72.835, 346.803

Sweetspot

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



63, 72.757, 116.826



83, 33.945, 117.668



37, 70.616, 44.847



44, 23.054, 117.420



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 72.757, 116.826



80, 88.170, 117.051



60, 84.067, 133.627



34, 5.165, 119.015



56, 66.033, 116.690



5, 8.127, 121.588

Inverse Universe

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



21, 94.847, 307.709



28, 115.031, 307.571



31, 86.184, 318.509



32, 5.265, 300.179



18, 86.036, 307.797



1, 8.052, 298.711

Previews

White Background



This preview shows how the CIELCh color 63, 72.835, 116.803 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 CIE LCh color 63, 72.835, 116.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

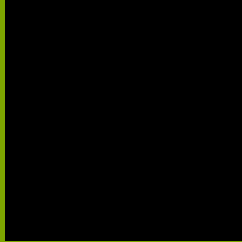
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 72.835, 116.803

Background



This preview shows how black text looks on a background with the CIELCh color 63, 72.835, 116.803.



This preview shows how white text looks on a background with the CIELCh color 63, 72.835, 116.803.

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](#).

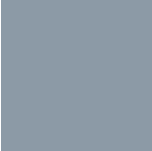
Dichromacy



Original Color
63, 72.835, 116.803

Protanopia
63, 66.574, 94.802

Deuteranopia
63, 62.011, 82.263



Tritanopia
63, 8.315, 253.211

Trichromacy



Original Color
63, 72.835, 116.803

Protanomaly
63, 67.462, 103.632

Deuteranomaly
62, 63.330, 96.430

Tritanomaly
62, 30.182, 125.462

Monochromacy



Original Color
63, 72.835, 116.803

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 33.704, 116.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 72.835, 116.803 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(126, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 166, 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(126, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 166, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 72.835, 116.803 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(126, 166, 0) }
```

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

```
.border{ border-color:rgb(126, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 166,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 72.835, 116.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 166, 0) }
```

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

```
.background{ background-color: rgb(126,  
166, 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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