

Converting Colors

CIELCh(63, 61.774, 116.848)

Have a look what the booklet for
CIELCh(63, 61.774, 116.848)
contains.

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Color

CIELCh(63, 61.871, 116.926)

Conversions

Conversions Part 1

Format	Color
Hex	84A42C
RGB	132, 164, 44
RGB Percent	52%, 64%, 17%
CMY	0.4828, 0.3573, 0.8279
CMYK	0.20, 0.00, 0.73, 0.36
HSL	76°, 58%, 41%
HSV	76°, 73%, 64%
XYZ	23.2047, 31.5869, 7.2447
YIQ	140.7520, 19.4480, -44.1040

Conversions

Conversions Part 2

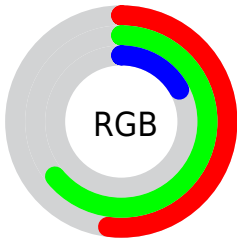
Format	Color
RYB	44, 164, 76
Decimal	8692780
CIELab	63.00, -28.02, 55.16
CIElCh	63, 61.871, 116.926
Yxy	31.5869, 0.3741, 0.5092
Android (android.graphics.Color)	4286882860 (0xFF84A42C)
YUV	140.7520, -47.6987, -7.6755
Hunter-Lab	56.2022, -24.6550, 31.6989

Details

The CIELCh color **63, 61.871, 116.926** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **29, 74.423, 306.825**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.842, 116.880**, and **43, 55.560, 119.404** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.231, 117.064**, and if you desaturate by 10%, it is **63, 55.134, 117.096**.

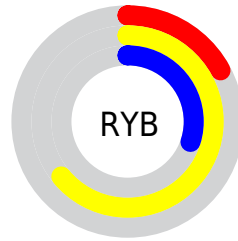
Distribution



Red (52%)

Green (64%)

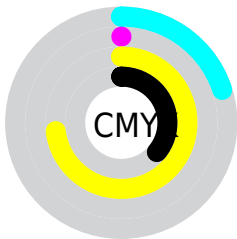
Blue (17%)



Red (17%)

Yellow (64%)

Blue (30%)

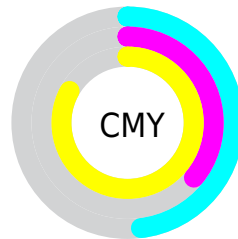


Cyan (20%)

Magenta (0%)

Yellow (73%)

Black (36%)



Cyan (48%)


Magenta (36%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 61.871, 116.926 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, 61.871, 116.926 by changing the saturation by 10% instead.


 63, 61.871,
116.926


 63, 61.871,
116.926


 100, 61.871,
116.926


 53, 61.871,
116.926


 83, 61.871,
116.926

 43, 61.871,
116.926

 93, 61.871,
116.926

 33, 61.871,
116.926

 23, 61.871,
116.926

 13, 61.871,
116.926

 3, 61.871, 116.926

 0, 61.871, 116.926

■ 63, 61.871,
116.926

■ 63, 61.871,
116.926

■ 63, 67.231,
117.064

■ 63, 55.134,
117.096

■ 62, 70.865,
117.601

■ 64, 47.419,
117.472

■ 62, 72.656,
118.108

■ 64, 39.060,
117.975

■ 65, 30.296,
118.548

■ 66, 21.291,
119.153

■ 66, 12.154,
119.762

■ 67, 2.960, 120.367

■ 68, 6.241, 300.925

■ 69, 15.411,
301.473

Harmonies

Complementary

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



63, 61.871, 116.926



29, 74.423, 306.825

Rectangle

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



63, 61.871, 116.926



63, 61.871, 166.926



63, 61.871, 296.926



63, 61.871, 346.926

Sweetspot

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



63, 61.871, 116.928



84, 25.087, 119.202



43, 49.333, 46.232



44, 16.809, 119.047



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, 61.871, 116.928



80, 85.164, 117.359



60, 70.916, 133.887



34, 5.182, 120.002



56, 66.484, 117.974



5, 8.160, 122.615

Inverse Universe

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



29, 74.423, 306.825



32, 107.463, 307.823



37, 72.715, 320.318



32, 5.281, 301.113



18, 85.701, 308.082



1, 8.073, 299.587

Previews

White Background



This preview shows how the CIELCh color 63, 61.871, 116.926 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, 61.871, 116.926 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, 61.871, 116.926

Background



This preview shows how black text looks on a background with the CIELCh color 63, 61.871, 116.926.



This preview shows how white text looks on a background with the CIELCh color 63, 61.871, 116.926.

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](#).

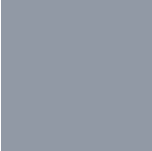
Dichromacy



Original Color
63, 61.871, 116.926

Protanopia
63, 57.270, 95.040

Deuteranopia
63, 53.924, 81.143



Tritanopia
63, 7.268, 267.074

Trichromacy



Original Color
63, 61.871, 116.926

Protanomaly
63, 57.682, 103.384

Deuteranomaly
62, 53.763, 95.340

Tritanomaly
63, 21.137, 127.046

Monochromacy



Original Color
63, 61.871, 116.926

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 24.375, 118.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 61.871, 116.926 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(132, 164, 44)` looks like.

```
.text, #text, p{  
    color:rgb(132, 164, 44)  
}
```

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(132, 164, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 164, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 61.871, 116.926 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(132, 164, 44) }
```

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

```
.border{ border-color:rgb(132, 164, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 164, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 164, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 164, 44);  
box-shadow:4px 4px 4px 4px rgb(132, 164,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 61.871, 116.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 164, 44) }
```

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

```
.background{ background-color: rgb(132,  
164, 44) }
```

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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