

Converting Colors

CIELCh(63, 61.706, 115.927)

Have a look what the booklet for
CIELCh(63, 61.706, 115.927)
contains.

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Color

CIELCh(63, 61.533, 115.780)

Conversions

Conversions Part 1

Format	Color
Hex	86A32B
RGB	134, 163, 43
RGB Percent	53%, 64%, 17%
CMY	0.4732, 0.3595, 0.8299
CMYK	0.18, 0.00, 0.73, 0.36
HSL	75°, 58%, 41%
HSV	75°, 73%, 64%
XYZ	23.4856, 31.5869, 7.1792
YIQ	140.6490, 21.2360, -43.4680

Conversions

Conversions Part 2

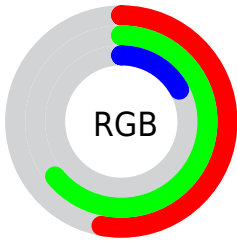
Format	Color
RYB	43, 163, 72
Decimal	8823595
CIELab	63.00, -26.76, 55.41
CIELCh	63, 61.533, 115.780
Yxy	31.5869, 0.3773, 0.5074
Android (android.graphics.Color)	4287013675 (0xFF86A32B)
YUV	140.6490, -48.1410, -5.8312
Hunter-Lab	56.2022, -23.7628, 31.7680

Details

The CIELCh color **63, 61.533, 115.780** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **29, 74.575, 306.323**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 61.603, 115.779**, and **43, 54.828, 118.233** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.783, 115.884**, and if you desaturate by 10%, it is **63, 54.895, 115.977**.

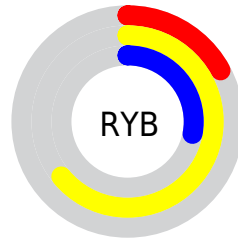
Distribution



Red (53%)

Green (64%)

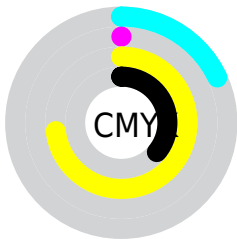
Blue (17%)



Red (17%)

Yellow (64%)

Blue (28%)

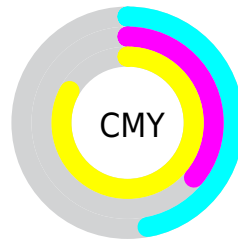


Cyan (18%)

Magenta (0%)

Yellow (73%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 61.533, 115.780 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, 61.533, 115.780 by changing the saturation by 10% instead.


 63, 61.533,
115.780


 63, 61.533,
115.780


 100, 61.533,
115.780


 53, 61.533,
115.780


 83, 61.533,
115.780

 43, 61.533,
115.780

 93, 61.533,
115.780

 33, 61.533,
115.780

 23, 61.533,
115.780

 13, 61.533,
115.780

 3, 61.533, 115.780

 0, 61.533, 115.780

■ 63, 61.533,
115.780

■ 63, 61.533,
115.780

■ 63, 66.783,
115.884

■ 63, 54.895,
115.977

■ 62, 70.299,
116.374

■ 64, 47.268,
116.377

■ 62, 71.980,
116.824

■ 64, 38.989,
116.902

■ 65, 30.298,
117.498

■ 65, 21.361,
118.127

■ 66, 12.287,
118.761

■ 67, 3.150, 119.389

■ 68, 5.997, 299.978

■ 68, 15.120,
300.552

Harmonies

Complementary

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



63, 61.533, 115.780



29, 74.575, 306.323

Rectangle

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



63, 61.533, 115.780



63, 61.533, 165.780



63, 61.533, 295.780



63, 61.533, 345.780

Sweetspot

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



63, 61.533, 115.782



83, 24.754, 118.193



42, 50.210, 43.839



44, 16.748, 118.031



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, 61.533, 115.782



79, 83.869, 116.136



60, 70.260, 133.119



34, 5.165, 119.024



56, 66.037, 116.702



5, 8.128, 121.598

Inverse Universe

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



29, 74.575, 306.323



31, 106.818, 307.456



36, 72.697, 319.282



32, 5.266, 300.188



18, 86.033, 307.799



1, 8.052, 298.719

Previews

White Background



This preview shows how the CIELCh color 63, 61.533, 115.780 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 63, 61.533, 115.780 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, 61.533, 115.780

Background



This preview shows how black text looks on a background with the CIELCh color 63, 61.533, 115.780.



This preview shows how white text looks on a background with the CIELCh color 63, 61.533, 115.780.

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](#).

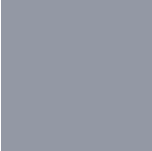
Dichromacy



Original Color
63, 61.533, 115.780

Protanopia
63, 57.270, 95.040

Deuteranopia
63, 54.326, 81.261



Tritanopia
63, 6.932, 275.467

Trichromacy



Original Color
63, 61.533, 115.780

Protanomaly
63, 57.690, 102.931

Deuteranomaly
62, 54.245, 94.874

Tritanomaly
62, 20.774, 123.948

Monochromacy



Original Color
63, 61.533, 115.780

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 24.830, 117.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 61.533, 115.780 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(134, 163, 43)` looks like.

```
.text, #text, p{  
    color:rgb(134, 163, 43)  
}
```

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(134, 163, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 163, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 61.533, 115.780 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(134, 163, 43) }
```

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

```
.border{ border-color:rgb(134, 163, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 163, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 163, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 163, 43);  
box-shadow:4px 4px 4px 4px rgb(134, 163,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 61.533, 115.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 163, 43) }
```

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

```
.background{ background-color: rgb(134,  
163, 43) }
```

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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