

Converting Colors

CIELCh(63, 68.445, 112.383)

Have a look what the booklet for
CIELCh(63, 68.445, 112.383)
contains.

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Color

CIELCh(63, 68.548, 112.425)

Conversions

Conversions Part 1

Format	Color
Hex	8AA30E
RGB	138, 163, 14
RGB Percent	54%, 64%, 5%
CMY	0.4592, 0.3611, 0.9458
CMYK	0.15, 0.00, 0.92, 0.36
HSL	70°, 84%, 35%
HSV	70°, 92%, 64%
XYZ	23.6234, 31.5869, 5.2605
YIQ	138.5390, 32.9290, -51.6390

Conversions

Conversions Part 2

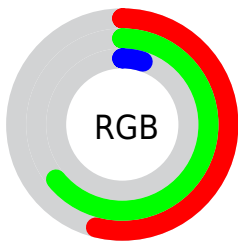
Format	Color
RYB	14, 163, 39
Decimal	9085710
CIELab	63.00, -26.15, 63.36
CIELCh	63, 68.548, 112.425
Yxy	31.5869, 0.3907, 0.5223
Android (android.graphics.Color)	4287275790 (0xFF8AA30E)
YUV	138.5390, -61.3977, -0.4727
Hunter-Lab	56.2022, -23.3251, 33.7921

Details

The CIELCh color **63, 68.548, 112.425** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 89.927, 306.630**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 68.649, 112.411**, and **43, 54.437, 116.902** is the 20% darker color. If you saturate the color by 10%, you get **63, 70.596, 112.817**, and if you desaturate by 10%, it is **63, 64.866, 112.207**.

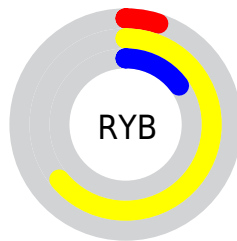
Distribution



Red (54%)

Green (64%)

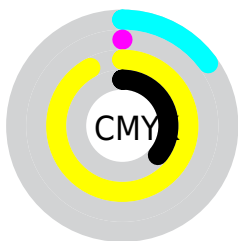
Blue (5%)



Red (5%)

Yellow (64%)

Blue (15%)

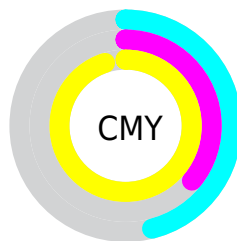


Cyan (15%)

Magenta (0%)

Yellow (92%)

Black (36%)



Cyan (46%)


Magenta (36%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 68.548, 112.425 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, 68.548, 112.425 by changing the saturation by 10% instead.

 63, 68.548,
112.425


 63, 68.548,
112.425


 100, 68.548,
112.425


 53, 68.548,
112.425


 83, 68.548,
112.425

 43, 68.548,
112.425

 93, 68.548,
112.425

 33, 68.548,
112.425

 23, 68.548,
112.425

 13, 68.548,
112.425

 3, 68.548, 112.425

 0, 68.548, 112.425

■ 63, 68.548,
112.425

■ 63, 68.548,
112.425

■ 63, 70.596,
112.817

■ 63, 64.866,
112.207

■ 64, 59.485,
112.313

■ 64, 52.775,
112.667

■ 64, 45.136,
113.190

■ 65, 36.888,
113.818

■ 65, 28.258,
114.506

■ 66, 19.399,
115.220

■ 66, 10.412,

115.937

■ 67, 1.366, 116.641

Harmonies

Complementary

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



63, 68.548, 112.425



21, 89.927, 306.630

Rectangle

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



63, 68.548, 112.425



63, 68.548, 162.425



63, 68.548, 292.425



63, 68.548, 342.425

Sweetspot

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



63, 68.548, 112.427



83, 30.035, 114.791



36, 66.158, 41.758



44, 20.359, 114.562



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, 68.548, 112.427



80, 85.821, 112.992



59, 78.808, 131.851



34, 5.123, 116.097



57, 64.912, 112.727



5, 8.043, 118.408

Inverse Universe

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



21, 89.927, 306.630



27, 115.041, 306.955



31, 83.187, 316.866



32, 5.229, 297.434



17, 86.875, 307.123



1, 8.001, 296.133

Previews

White Background



This preview shows how the CIELCh color 63, 68.548, 112.425 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, 68.548, 112.425 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, 68.548, 112.425

Background



This preview shows how black text looks on a background with the CIELCh color 63, 68.548, 112.425.



This preview shows how white text looks on a background with the CIELCh color 63, 68.548, 112.425.

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, 68.548, 112.425

Protanopia
63, 65.688, 95.241

Deuteranopia
63, 61.723, 82.200



Tritanopia
63, 6.723, 290.916

Trichromacy



Original Color
63, 68.548, 112.425

Protanomaly
63, 66.082, 101.796

Deuteranomaly
62, 61.969, 94.257

Tritanomaly
62, 25.664, 115.824

Monochromacy



Original Color
63, 68.548, 112.425

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 30.163, 114.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 68.548, 112.425 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(138, 163, 14)` looks like.

```
.text, #text, p{  
    color:rgb(138, 163, 14)  
}
```

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(138, 163, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 163, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 68.548, 112.425 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(138, 163, 14) }
```

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

```
.border{ border-color:rgb(138, 163, 14) }
```

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

Here you see how a box with a 4 pixel rgb(138, 163, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 163, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 163, 14);  
box-shadow:4px 4px 4px 4px rgb(138, 163,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 68.548, 112.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 163, 14) }
```

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

```
.background{ background-color: rgb(138,  
163, 14) }
```

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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