

Converting Colors

CIELCh(63, 63.505, 112.799)

Have a look what the booklet for
CIELCh(63, 63.505, 112.799)
contains.

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Color

CIELCh(63, 63.505, 112.799)

Conversions

Conversions Part 1

Format	Color
Hex	8BA222
RGB	139, 162, 34
RGB Percent	55%, 64%, 13%
CMY	0.4536, 0.3635, 0.8652
CMYK	0.14, 0.00, 0.79, 0.36
HSL	71°, 65%, 39%
HSV	71°, 79%, 64%
XYZ	23.9726, 31.5869, 6.3756
YIQ	140.5310, 27.3800, -44.6840

Conversions

Conversions Part 2

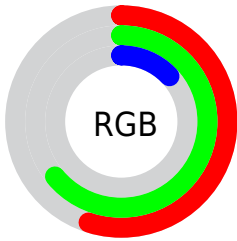
Format	Color
RYB	34, 162, 57
Decimal	9151010
CIELab	63.00, -24.61, 58.54
CIELCh	63, 63.505, 112.799
Yxy	31.5869, 0.3871, 0.5100
Android (android.graphics.Color)	4287341090 (0xFF8BA222)
YUV	140.5310, -52.5198, -1.3427
Hunter-Lab	56.2022, -22.2163, 32.6157

Details

The CIELCh color **63, 63.505, 112.799** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **26, 79.689, 305.730**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 63.733, 113.005**, and **43, 53.750, 115.623** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.691, 112.957**, and if you desaturate by 10%, it is **63, 57.716, 112.959**.

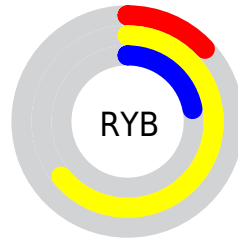
Distribution



Red (55%)

Green (64%)

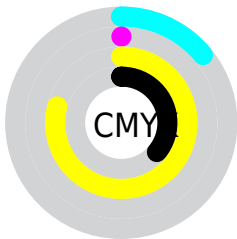
Blue (13%)



Red (13%)

Yellow (64%)

Blue (22%)

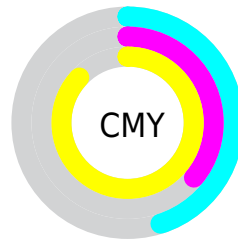


Cyan (14%)

Magenta (0%)

Yellow (79%)

Black (36%)



Cyan (45%)


Magenta (36%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 63.505, 112.799 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, 63.505, 112.799 by changing the saturation by 10% instead.

 63, 63.505,
112.799


 63, 63.505,
112.799


 100, 63.505,
112.799


 53, 63.505,
112.799


 83, 63.505,
112.799

 43, 63.505,
112.799

 93, 63.505,
112.799

 33, 63.505,
112.799

 23, 63.505,
112.799

 13, 63.505,
112.799

 3, 63.505, 112.799

 0, 63.505, 112.799

■ 63, 63.505,
112.799

■ 63, 63.505,
112.799

■ 63, 67.691,
112.957

■ 63, 57.716,
112.959

■ 62, 70.295,
113.426

■ 64, 50.719,
113.347

■ 62, 70.584,
113.483

■ 64, 42.894,
113.888

■ 65, 34.533,
114.521

■ 65, 25.840,
115.204

■ 66, 16.952,
115.906

■ 66, 7.959, 116.606

■ 67, 1.079, 297.287

■ 68, 10.118,
297.949

Harmonies

Complementary

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



63, 63.505, 112.799



26, 79.689, 305.730

Rectangle

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



63, 63.505, 112.799



63, 63.505, 162.799



63, 63.505, 292.799



63, 63.505, 342.799

Sweetspot

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



63, 63.505, 112.801



83, 26.775, 115.510



39, 56.236, 40.211



44, 18.507, 115.271



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, 63.505, 112.801



80, 84.930, 113.347



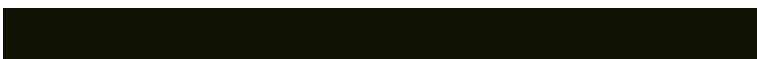
60, 72.168, 131.430



34, 5.129, 116.575



56, 65.072, 113.391



5, 8.056, 118.943

Inverse Universe

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



26, 79.689, 305.730



28, 112.343, 306.924



33, 76.242, 317.231



32, 5.234, 297.882



17, 86.754, 307.217



1, 8.008, 296.554

Previews

White Background



This preview shows how the CIELCh color 63, 63.505, 112.799 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, 63.505, 112.799 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, 63.505, 112.799

Background



This preview shows how black text looks on a background with the CIELCh color 63, 63.505, 112.799.



This preview shows how white text looks on a background with the CIELCh color 63, 63.505, 112.799.

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, 63.505, 112.799

Protanopia

63, 60.515, 95.608

Deuteranopia

63, 57.585, 81.669



Tritanopia
63, 6.739, 294.088

Trichromacy



Original Color
63, 63.505, 112.799

Protanomaly
63, 60.674, 102.225

Deuteranomaly
63, 57.413, 94.082

Tritanomaly
62, 21.838, 116.523

Monochromacy



Original Color
63, 63.505, 112.799

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 26.368, 115.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 63.505, 112.799 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(139, 162, 34)` looks like.

```
.text, #text, p{  
    color:rgb(139, 162, 34)  
}
```

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(139, 162, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 162, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 63.505, 112.799 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(139, 162, 34) }
```

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

```
.border{ border-color:rgb(139, 162, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 162, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 162, 34); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 162, 34); box-shadow:4px 4px 4px 4px rgb(139, 162, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 63.505, 112.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 162, 34) }
```

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

```
.background{ background-color: rgb(139,  
162, 34) }
```

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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