

Converting Colors

CIELCh(63, 69.904, 111.734)

Have a look what the booklet for
CIELCh(63, 69.904, 111.734)
contains.

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Color

CIELCh(63, 69.947, 111.741)

Conversions

Conversions Part 1

Format	Color
Hex	8BA302
RGB	139, 163, 2
RGB Percent	55%, 64%, 1%
CMY	0.4558, 0.3617, 0.9903
CMYK	0.15, 0.00, 0.98, 0.36
HSL	69°, 97%, 32%
HSV	69°, 98%, 64%
XYZ	23.6776, 31.5869, 4.9199
YIQ	137.4700, 37.3770, -55.1590

Conversions

Conversions Part 2

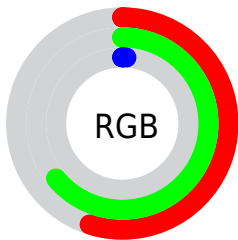
Format	Color
R_YB	2, 163, 26
Decimal	9151234
CIE Lab	63.00, -25.91, 64.97
CIE LCh	63, 69.947, 111.741
Yxy	31.5869, 0.3934, 0.5248
Android (android.graphics.Color)	4287341314 (0xFF8BA302)
YUV	137.4700, -66.7867, 1.3418
Hunter-Lab	56.2022, -23.1531, 34.1514

Details

The CIELCh color **63, 69.947, 111.741** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **20, 93.820, 306.830**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 70.122, 111.788**, and **43, 54.312, 116.449** is the 20% darker color. If you saturate the color by 10%, you get **63, 70.307, 111.802**, and if you desaturate by 10%, it is **63, 67.381, 111.378**.

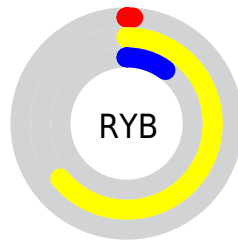
Distribution



Red (55%)

Green (64%)

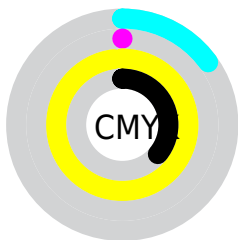
Blue (1%)



Red (1%)

Yellow (64%)

Blue (10%)

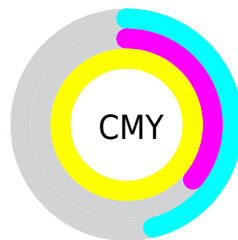


Cyan (15%)

Magenta (0%)

Yellow (98%)

Black (36%)



Cyan (46%)


Magenta (36%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 69.947, 111.741 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, 69.947, 111.741 by changing the saturation by 10% instead.


 63, 69.947,
111.741


 63, 69.947,
111.741


 100, 69.947,
111.741


 53, 69.947,
111.741


 83, 69.947,
111.741

 43, 69.947,
111.741

 93, 69.947,
111.741

 33, 69.947,
111.741

 23, 69.947,
111.741

 13, 69.947,
111.741

 3, 69.947, 111.741

 0, 69.947, 111.741

■ 63, 69.947,
111.741

■ 63, 69.947,
111.741

■ 63, 70.307,
111.802

■ 63, 67.381,
111.378

■ 63, 63.189,
111.313

■ 64, 57.394,
111.540

■ 64, 50.392,
111.982

■ 64, 42.566,
112.568

■ 65, 34.207,
113.241

■ 65, 25.518,
113.962

■ 66, 16.634,

114.701

■ 66, 7.645, 115.438

Harmonies

Complementary

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



63, 69.947, 111.741



20, 93.820, 306.830

Rectangle

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



63, 69.947, 111.741



63, 69.947, 161.741



63, 69.947, 291.741



63, 69.947, 341.741

Sweetspot

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



63, 69.947, 111.743



83, 33.249, 113.809



35, 71.442, 41.576



44, 22.796, 113.519



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, 69.947, 111.743



80, 85.512, 111.961



59, 80.479, 131.546



34, 5.115, 115.380



57, 64.690, 111.721



5, 8.026, 117.594

Inverse Universe

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



20, 93.820, 306.830



27, 115.246, 306.839



28, 86.079, 315.520



32, 5.221, 296.762



17, 87.045, 306.994



1, 7.991, 295.501

Previews

White Background



This preview shows how the CIELCh color 63, 69.947, 111.741 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, 69.947, 111.741 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, 69.947, 111.741

Background



This preview shows how black text looks on a background with the CIELCh color 63, 69.947, 111.741.



This preview shows how white text looks on a background with the CIELCh color 63, 69.947, 111.741.

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, 70.080, 111.713

Protanopia
63, 66.815, 95.246

Deuteranopia
63, 62.567, 82.382



Tritanopia
63, 6.739, 294.088

Trichromacy



Original Color
63, 70.080, 111.713

Protanomaly
63, 67.319, 101.690

Deuteranomaly
63, 63.435, 93.878

Tritanomaly
62, 27.737, 114.132

Monochromacy



Original Color
63, 70.080, 111.713

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 32.253, 112.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 69.947, 111.741 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, 163, 2)` looks like.

```
.text, #text, p{  
    color:rgb(139, 163, 2)  
}
```

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, 163, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 163, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 69.947, 111.741 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, 163, 2) }
```

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

```
.border{ border-color:rgb(139, 163, 2) }
```

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

Here you see how a box with a 4 pixel rgb(139, 163, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 163, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 163, 2);  
box-shadow:4px 4px 4px 4px rgb(139, 163,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 69.947, 111.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 163, 2) }
```

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

```
.background{ background-color: rgb(139,  
163, 2) }
```

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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