

Converting Colors

CIELCh(69, 64.312, 111.646)

Have a look what the booklet for
CIELCh(69, 64.312, 111.646)
contains.

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Color

CIELCh(69, 64.327, 111.662)

Conversions

Conversions Part 1

Format	Color
Hex	9EB231
RGB	158, 178, 49
RGB Percent	62%, 70%, 19%
CMY	0.3803, 0.3018, 0.8077
CMYK	0.11, 0.00, 0.72, 0.30
HSL	69°, 57%, 45%
HSV	69°, 72%, 70%
XYZ	30.5859, 39.3444, 8.8909
YIQ	157.3140, 29.4890, -44.3590

Conversions

Conversions Part 2

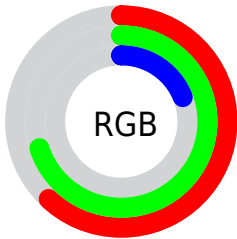
Format	Color
RYB	49, 178, 69
Decimal	10400305
CIELab	69.00, -23.75, 59.78
CIElCh	69, 64.327, 111.662
Yxy	39.3444, 0.3880, 0.4992
Android (android.graphics.Color)	4288590385 (0xFF9EB231)
YUV	157.3140, -53.3988, 0.6016
Hunter-Lab	62.7251, -22.7292, 35.5036

Details

The CIELCh color **69, 64.327, 111.662** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **31, 79.411, 304.599**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 64.516, 111.894**, and **49, 58.260, 113.048** is the 20% darker color. If you saturate the color by 10%, you get **69, 69.841, 111.572**, and if you desaturate by 10%, it is **69, 57.309, 112.013**.

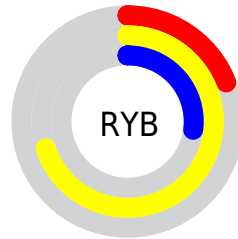
Distribution



Red (62%)

Green (70%)

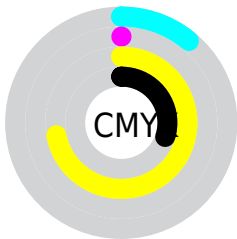
Blue (19%)



Red (19%)

Yellow (70%)

Blue (27%)

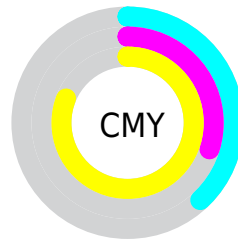


Cyan (11%)

Magenta (0%)

Yellow (72%)

Black (30%)



Cyan (38%)


Magenta (30%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 64.327, 111.662 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 69, 64.327, 111.662 by changing the saturation by 10% instead.

 69, 64.327,
111.662

 69, 64.327,
111.662


 100, 64.327,
111.662


 59, 64.327,
111.662

 89, 64.327,
111.662

 49, 64.327,
111.662

 99, 64.327,
111.662

 39, 64.327,
111.662

 29, 64.327,
111.662

 19, 64.327,
111.662

 9, 64.327, 111.662

 0, 64.327, 111.662

■ 69, 64.327,
111.662

■ 69, 64.327,
111.662

■ 69, 69.841,
111.572

■ 69, 57.309,
112.013

■ 68, 73.466,
111.809

■ 70, 49.227,
112.539

■ 68, 75.209,
112.161

■ 70, 40.443,
113.178

■ 71, 31.219,
113.881

■ 71, 21.731,
114.614

■ 72, 12.093,
115.352

■ 72, 2.383, 116.078

■ 73, 7.346, 296.786

■ 74, 17.060,
297.462

Harmonies

Complementary

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



69, 64.327, 111.662



31, 79.411, 304.599

Rectangle

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



69, 64.327, 111.662



69, 64.327, 161.662



69, 64.327, 291.662



69, 64.327, 341.662

Sweetspot

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



69, 64.327, 111.664



90, 26.405, 114.620



44, 55.517, 38.406



48, 17.862, 114.422



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 64.327, 111.664



87, 88.124, 111.672



65, 72.761, 130.994



38, 5.511, 115.582



59, 67.236, 112.056



8, 13.498, 118.897

Inverse Universe

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



31, 79.411, 304.599



34, 115.238, 306.345



39, 77.176, 316.752



35, 5.627, 296.969



18, 90.358, 307.004



1, 13.376, 294.879

Previews

White Background



This preview shows how the CIELCh color 69, 64.327, 111.662 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 69, 64.327, 111.662 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 69, 64.327, 111.662

Background



This preview shows how black text looks on a background with the CIELCh color 69, 64.327, 111.662.



This preview shows how white text looks on a background with the CIELCh color 69, 64.327, 111.662.

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
69, 64.327, 111.662

Protanopia
69, 61.413, 94.961

Deuteranopia
69, 59.166, 81.684



Tritanopia
69, 7.412, 305.297

Trichromacy



Original Color
69, 64.327, 111.662

Protanomaly
69, 61.799, 101.366

Deuteranomaly
69, 59.091, 93.522

Tritanomaly
68, 20.749, 112.536

Monochromacy



Original Color
69, 64.327, 111.662

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 25.865, 114.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 64.327, 111.662 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(158, 178, 49)` looks like.

```
.text, #text, p{  
    color:rgb(158, 178, 49)  
}
```

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(158, 178, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 178, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 64.327, 111.662 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(158, 178, 49) }
```

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

```
.border{ border-color:rgb(158, 178, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 178, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 178, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 178, 49);  
box-shadow:4px 4px 4px 4px rgb(158, 178,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 64.327, 111.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 178, 49) }
```

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

```
.background{ background-color: rgb(158,  
178, 49) }
```

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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