

Converting Colors

CIELCh(69, 61.633, 109.240)

Have a look what the booklet for
CIELCh(69, 61.633, 109.240)
contains.

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Color

CIELCh(69, 61.330, 108.975)

Conversions

Conversions Part 1

Format	Color
Hex	A4B036
RGB	164, 176, 54
RGB Percent	64%, 69%, 21%
CMY	0.3558, 0.3088, 0.7872
CMYK	0.07, 0.00, 0.69, 0.31
HSL	66°, 53%, 45%
HSV	66°, 69%, 69%
XYZ	31.6157, 39.3444, 9.4515
YIQ	158.5040, 32.0100, -40.4860

Conversions

Conversions Part 2

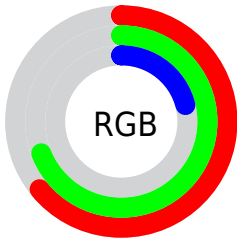
Format	Color
RYB	54, 176, 66
Decimal	10793014
CIELab	69.00, -19.94, 58.00
CIElCh	69, 61.330, 108.975
Yxy	39.3444, 0.3932, 0.4893
Android (android.graphics.Color)	4288983094 (0xFFA4B036)
YUV	158.5040, -51.5205, 4.8200
Hunter-Lab	62.7251, -19.7985, 34.9737

Details

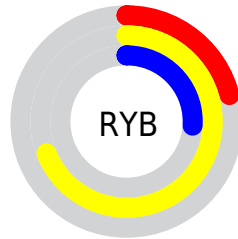
The CIELCh color **69, 61.330, 108.975** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **32, 75.431, 303.083**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 61.135, 108.627**, and **49, 57.365, 109.966** is the 20% darker color. If you saturate the color by 10%, you get **69, 67.254, 108.662**, and if you desaturate by 10%, it is **69, 54.048, 109.494**.

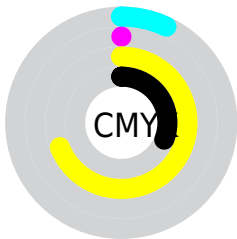
Distribution



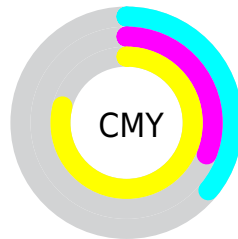
- Red (64%)
- Green (69%)
- Blue (21%)



- Red (21%)
- Yellow (69%)
- Blue (26%)



- Cyan (7%)
- Magenta (0%)
- Yellow (69%)
- Black (31%)





- Cyan (36%)
- Magenta (31%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 61.330, 108.975 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, 61.330, 108.975 by changing the saturation by 10% instead.


 69, 61.330,
108.975


 69, 61.330,
108.975


 100, 61.330,
108.975


 59, 61.330,
108.975


 89, 61.330,
108.975

 49, 61.330,
108.975

 99, 61.330,
108.975

 39, 61.330,
108.975

 29, 61.330,
108.975

 19, 61.330,
108.975

 9, 61.330, 108.975

 0, 61.330, 108.975

69, 61.330,
108.975

69, 61.330,
108.975

69, 67.254,
108.662

69, 54.048,
109.494

69, 71.396,
108.612

70, 45.829,
110.149

68, 73.795,
108.822

70, 37.004,
110.891

68, 73.968,
108.840

70, 27.803,
111.682

71, 18.380,
112.493

71, 8.833, 113.303

72, 0.770, 294.136

73, 10.385,
294.880

■ 73, 19.981,
295.622

Harmonies

Complementary

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



69, 61.330, 108.975



32, 75.431, 303.083

Rectangle

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



69, 61.330, 108.975



69, 61.330, 158.975



69, 61.330, 288.975



69, 61.330, 338.975

Sweetspot

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



69, 61.330, 108.977



90, 24.881, 112.317



43, 54.224, 34.011



47, 16.802, 112.099



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 61.330, 108.977



87, 84.864, 108.599



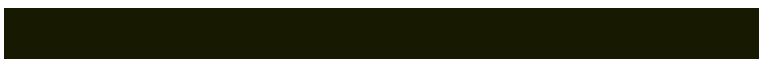
65, 68.313, 129.065



38, 5.489, 113.293



60, 66.631, 108.776



8, 13.396, 115.875

Inverse Universe

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



32, 75.431, 303.083



34, 110.923, 305.344



38, 73.825, 314.759



35, 5.607, 294.836



17, 90.827, 306.670



1, 13.344, 293.163

Previews

White Background



This preview shows how the CIELCh color 69, 61.330, 108.975 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, 61.330, 108.975 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, 61.330, 108.975

Background



This preview shows how black text looks on a background with the CIELCh color 69, 61.330, 108.975.



This preview shows how white text looks on a background with the CIELCh color 69, 61.330, 108.975.

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, 61.330, 108.975

Protanopia
69, 59.818, 95.805

Deuteranopia
69, 57.590, 81.262



Tritanopia
69, 8.278, 320.479

Trichromacy



Original Color
69, 61.330, 108.975

Protanomaly
69, 59.995, 101.049

Deuteranomaly
69, 57.047, 91.979

Tritanomaly
69, 19.646, 104.583

Monochromacy



Original Color
69, 61.330, 108.975

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 24.083, 111.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 61.330, 108.975 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(164, 176, 54)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 54)  
}
```

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(164, 176, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 61.330, 108.975 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(164, 176, 54) }
```

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

```
.border{ border-color:rgb(164, 176, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 176, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 54);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 61.330, 108.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 176, 54) }
```

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

```
.background{ background-color: rgb(164,  
176, 54) }
```

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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