

Converting Colors

CIELCh(66, 70.088, 103.909)

Have a look what the booklet for
CIELCh(66, 70.088, 103.909)
contains.

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Color

CIELCh(66, 69.899, 103.635)

Conversions

Conversions Part 1

Format	Color
Hex	A4A604
RGB	164, 166, 4
RGB Percent	64%, 65%, 2%
CMY	0.3555, 0.3478, 0.9851
CMYK	0.01, 0.00, 0.98, 0.35
HSL	61°, 96%, 33%
HSV	61°, 98%, 65%
XYZ	29.0941, 35.3238, 5.3932
YIQ	146.9340, 50.8100, -50.8060

Conversions

Conversions Part 2

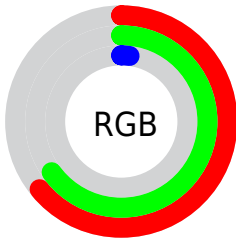
Format	Color
R _Y B	4, 166, 6
Decimal	10790404
CIE Lab	66.00, -16.48, 67.93
CIE LCh	66, 69.899, 103.635
Yxy	35.3238, 0.4168, 0.5060
Android (android.graphics.Color)	4288980484 (0xFFA4A604)
YUV	146.9340, -70.4665, 14.9669
Hunter-Lab	59.4338, -16.6299, 36.2235

Details

The CIELCh color **66, 69.899, 103.635** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **20, 95.900, 306.095**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 69.862, 103.542**, and **46, 53.609, 105.963** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.387, 103.602**, and if you desaturate by 10%, it is **66, 67.436, 103.826**.

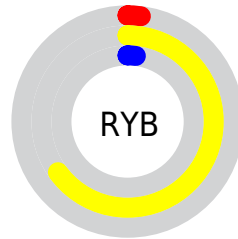
Distribution



Red (64%)

Green (65%)

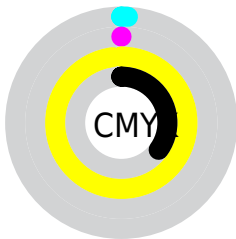
Blue (2%)



Red (2%)

Yellow (65%)

Blue (2%)

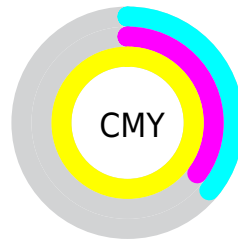


Cyan (1%)

Magenta (0%)

Yellow (98%)

Black (35%)



Cyan (36%)


Magenta (35%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 69.899, 103.635 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 66, 69.899, 103.635 by changing the saturation by 10% instead.

 66, 69.899,
103.635


 66, 69.899,
103.635


 100, 69.899,
103.635


 56, 69.899,
103.635


 86, 69.899,
103.635

 46, 69.899,
103.635

 96, 69.899,
103.635

 36, 69.899,
103.635

 26, 69.899,
103.635

 16, 69.899,
103.635

 6, 69.899, 103.635

 0, 69.899, 103.635

■ 66, 69.899,
103.635

■ 66, 69.899,
103.635

■ 66, 70.387,
103.602

■ 66, 67.436,
103.826

■ 66, 63.222,
104.204

■ 66, 57.367,
104.766

■ 66, 50.282,
105.472

■ 67, 42.360,
106.282

■ 67, 33.900,
107.160

■ 67, 25.111,
108.076

■ 67, 16.129,

109.009

■ 68, 7.041, 109.939

Harmonies

Complementary

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



66, 69.899, 103.635



20, 95.900, 306.095

Rectangle

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



66, 69.899, 103.635



66, 69.899, 153.635



66, 69.899, 283.635



66, 69.899, 333.635

Sweetspot

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



66, 69.899, 103.637



85, 32.552, 107.908



34, 74.497, 39.199



45, 22.446, 107.530



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 69.899, 103.637



84, 85.736, 103.616



61, 78.365, 127.719



36, 5.211, 109.793



59, 64.574, 103.595



6, 9.559, 110.855

Inverse Universe

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



20, 95.900, 306.095



27, 118.308, 306.317



26, 89.527, 312.072



32, 5.324, 291.582



16, 89.082, 306.334



0, 9.560, 290.591

Previews

White Background



This preview shows how the CIELCh color 66, 69.899, 103.635 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 66, 69.899, 103.635 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 66, 69.899, 103.635

Background



This preview shows how black text looks on a background with the CIELCh color 66, 69.899, 103.635.



This preview shows how white text looks on a background with the CIELCh color 66, 69.899, 103.635.

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
66, 69.771, 103.649

Protanopia
66, 69.370, 95.212

Deuteranopia
66, 66.062, 82.748



Tritanopia
66, 10.137, 339.458

Trichromacy



Original Color
66, 69.771, 103.649

Protanomaly
66, 69.427, 98.314

Deuteranomaly
66, 66.528, 90.665

Tritanomaly
65, 28.419, 96.735

Monochromacy



Original Color
66, 69.771, 103.649

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 32.327, 107.343

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 69.899, 103.635 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, 166, 4)` looks like.

```
.text, #text, p{  
    color:rgb(164, 166, 4)  
}
```

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, 166, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 166, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 69.899, 103.635 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, 166, 4) }
```

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

```
.border{ border-color:rgb(164, 166, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 166, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 166, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 166, 4);  
box-shadow:4px 4px 4px 4px rgb(164, 166,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 69.899, 103.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 166, 4) }
```

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

```
.background{ background-color: rgb(164,  
166, 4) }
```

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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