

Converting Colors

CIELCh(69, 71.824, 104.618)

Have a look what the booklet for
CIELCh(69, 71.824, 104.618)
contains.

CIELCh(69, 71.805, 104.409)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 71.805, 104.409)

Conversions

Conversions Part 1

Format	Color
Hex	ABAF0B
RGB	171, 175, 11
RGB Percent	67%, 69%, 4%
CMY	0.3294, 0.3137, 0.9567
CMYK	0.02, 0.00, 0.94, 0.31
HSL	61°, 88%, 36%
HSV	61°, 94%, 69%
XYZ	32.1869, 39.3444, 6.2149
YIQ	155.1080, 50.2600, -51.8520

Conversions

Conversions Part 2

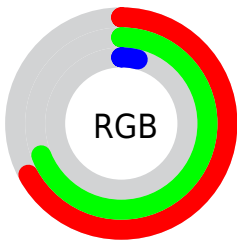
Format	Color
RYB	11, 175, 15
Decimal	11251467
CIELab	69.00, -17.87, 69.55
CIELCh	69, 71.805, 104.409
Yxy	39.3444, 0.4140, 0.5061
Android (android.graphics.Color)	4289441547 (0xFFABAF0B)
YUV	155.1080, -71.0452, 13.9373
Hunter-Lab	62.7251, -18.1732, 38.0330

Details

The CIELCh color **69, 71.805, 104.409** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **22, 97.584, 305.786**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 71.790, 104.254**, and **49, 56.701, 107.196** is the 20% darker color. If you saturate the color by 10%, you get **69, 73.114, 104.359**, and if you desaturate by 10%, it is **69, 68.643, 104.612**.

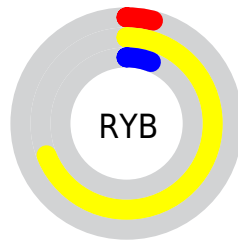
Distribution



Red (67%)

Green (69%)

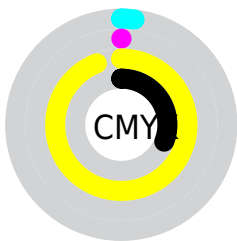
Blue (4%)



Red (4%)

Yellow (69%)

Blue (6%)

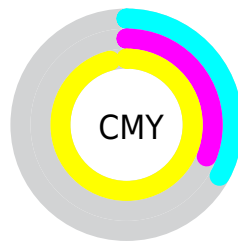


Cyan (2%)

Magenta (0%)

Yellow (94%)

Black (31%)



Cyan (33%)

Magenta (31%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 71.805, 104.409 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, 71.805, 104.409 by changing the saturation by 10% instead.

 69, 71.805,
104.409

 69, 71.805,
104.409


 100, 71.805,
104.409


 59, 71.805,
104.409

 89, 71.805,
104.409

 49, 71.805,
104.409

 99, 71.805,
104.409

 39, 71.805,
104.409

 29, 71.805,
104.409

 19, 71.805,
104.409

 9, 71.805, 104.409

 0, 71.805, 104.409

■ 69, 71.805,
104.409

■ 69, 71.805,
104.409

■ 69, 73.114,
104.359

■ 69, 68.643,
104.612

■ 69, 63.565,
105.028

■ 69, 56.925,
105.624

■ 70, 49.163,
106.355

■ 70, 40.658,
107.178

■ 70, 31.686,
108.058

■ 70, 22.430,
108.969

■ 71, 13.013,

109.888

■ 71, 3.513, 110.792

Harmonies

Complementary

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



69, 71.805, 104.409



22, 97.584, 305.786

Rectangle

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



69, 71.805, 104.409



69, 71.805, 154.409



69, 71.805, 284.409



69, 71.805, 334.409

Sweetspot

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



69, 71.805, 104.411



89, 32.651, 108.531



37, 75.075, 38.375



47, 22.654, 108.146



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, 71.805, 104.411



87, 88.788, 104.385



64, 80.542, 127.925



37, 5.343, 110.290



60, 65.410, 104.341



7, 11.352, 111.594

Inverse Universe

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



22, 97.584, 305.786



28, 122.420, 306.343



29, 91.060, 312.641



33, 5.459, 292.048



17, 90.135, 306.380



1, 11.350, 290.962

Previews

White Background



This preview shows how the CIELCh color 69, 71.805, 104.409 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, 71.805, 104.409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

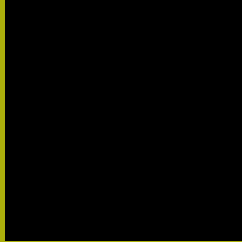
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 71.805, 104.409

Background



This preview shows how black text looks on a background with the CIELCh color 69, 71.805, 104.409.



This preview shows how white text looks on a background with the CIELCh color 69, 71.805, 104.409.

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, 71.805, 104.409

Protanopia
69, 71.166, 95.177

Deuteranopia
69, 68.260, 82.844



Tritanopia
69, 10.049, 339.420

Trichromacy



Original Color
69, 71.805, 104.409

Protanomaly
69, 71.071, 98.543

Deuteranomaly
69, 68.469, 90.799

Tritanomaly
68, 28.708, 97.037

Monochromacy



Original Color
69, 71.805, 104.409

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.081, 107.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 71.805, 104.409 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(171, 175, 11)` looks like.

```
.text, #text, p{  
    color:rgb(171, 175, 11)  
}
```

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(171, 175, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 175, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 71.805, 104.409 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(171, 175, 11) }
```

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

```
.border{ border-color:rgb(171, 175, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 175, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 175, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 175, 11);  
box-shadow:4px 4px 4px 4px rgb(171, 175,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 71.805, 104.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 175, 11) }
```

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

```
.background{ background-color: rgb(171,  
175, 11) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor