

Converting Colors

CIELCh(70, 67.372, 104.217)

Have a look what the booklet for
CIELCh(70, 67.372, 104.217)
contains.

CIELCh(70, 67.392, 104.205)	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(70, 67.392, 104.205)

Conversions

Conversions Part 1

Format	Color
Hex	AFB124
RGB	175, 177, 36
RGB Percent	69%, 69%, 14%
CMY	0.3132, 0.3054, 0.8582
CMYK	0.01, 0.00, 0.80, 0.31
HSL	61°, 66%, 42%
HSV	61°, 80%, 69%
XYZ	33.7752, 40.7494, 7.7666
YIQ	160.3280, 44.0690, -44.2750

Conversions

Conversions Part 2

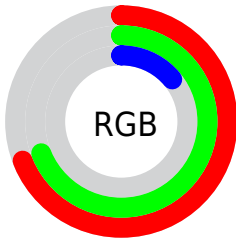
Format	Color
RYB	36, 177, 38
Decimal	11514148
CIELab	70.00, -16.54, 65.33
CIELCh	70, 67.392, 104.205
Yxy	40.7494, 0.4104, 0.4952
Android (android.graphics.Color)	4289704228 (0xFFAFB124)
YUV	160.3280, -61.2937, 12.8673
Hunter-Lab	63.8353, -17.2674, 37.4711

Details

The CIELCh color **70, 67.392, 104.205** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **26, 87.442, 303.763**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 67.426, 103.932**, and **50, 57.279, 106.192** is the 20% darker color. If you saturate the color by 10%, you get **70, 71.388, 103.880**, and if you desaturate by 10%, it is **70, 61.577, 104.729**.

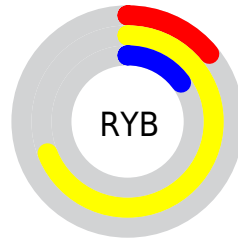
Distribution



Red (69%)

Green (69%)

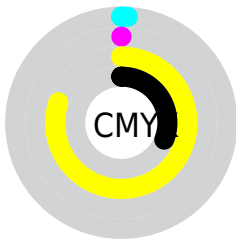
Blue (14%)



Red (14%)

Yellow (69%)

Blue (15%)

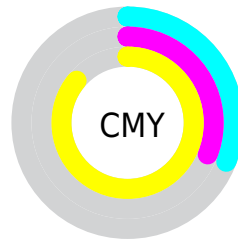


Cyan (1%)

Magenta (0%)

Yellow (80%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 67.392, 104.205 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 70, 67.392, 104.205 by changing the saturation by 10% instead.


 70, 67.392,
104.205


 70, 67.392,
104.205


 100, 67.392,
104.205


 60, 67.392,
104.205


 90, 67.392,
104.205

 50, 67.392,
104.205

 40, 67.392,
104.205

 30, 67.392,
104.205

 20, 67.392,
104.205

 10, 67.392,
104.205

 0, 67.392, 104.205

70, 67.392,
104.205

70, 67.392,
104.205

70, 71.388,
103.880

70, 61.577,
104.729

70, 73.658,
103.733

70, 54.362,
105.406

70, 73.745,
103.727

70, 46.180,
106.198

71, 37.372,
107.065

71, 28.177,
107.977

71, 18.753,
108.910

72, 9.202, 109.843

72, 0.408, 290.906

■ 73, 10.034,
291.683

Harmonies

Complementary

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



70, 67.392, 104.205



26, 87.442, 303.763

Rectangle

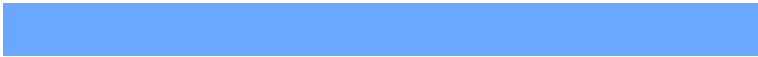
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 67.392, 104.205



70, 67.392, 154.205



70, 67.392, 284.205



70, 67.392, 334.205

Sweetspot

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



70, 67.392, 104.207



90, 28.304, 108.459



39, 66.079, 33.468



47, 19.386, 108.135



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 67.392, 104.207



88, 88.779, 103.769



66, 74.124, 126.449



38, 5.472, 109.867



61, 66.199, 103.717



8, 13.302, 110.959

Inverse Universe

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



26, 87.442, 303.763



29, 121.695, 306.047



33, 83.431, 312.569



34, 5.591, 291.664



17, 91.311, 306.340



1, 13.318, 290.608

Previews

White Background



This preview shows how the CIELCh color 70, 67.392, 104.205 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 70, 67.392, 104.205 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 70, 67.392, 104.205

Background



This preview shows how black text looks on a background with the CIELCh color 70, 67.392, 104.205.



This preview shows how white text looks on a background with the CIELCh color 70, 67.392, 104.205.

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

70, 67.392, 104.205

Protanopia

70, 66.318, 95.203

Deuteranopia

70, 64.779, 81.858



Tritanopia
70, 10.949, 339.925

Trichromacy



Original Color
70, 67.392, 104.205

Protanomaly
70, 66.540, 98.385

Deuteranomaly
70, 64.649, 90.234

Tritanomaly
69, 24.114, 93.772

Monochromacy



Original Color
70, 67.392, 104.205

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 27.731, 107.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 67.392, 104.205 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(175, 177, 36)` looks like.

```
.text, #text, p{  
    color:rgb(175, 177, 36)  
}
```

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(175, 177, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 177, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 67.392, 104.205 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(175, 177, 36) }
```

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

```
.border{ border-color:rgb(175, 177, 36) }
```

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

Here you see how a box with a 4 pixel rgb(175, 177, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 177, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 177, 36);  
box-shadow:4px 4px 4px 4px rgb(175, 177,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 67.392, 104.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 177, 36) }
```

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

```
.background{ background-color: rgb(175,  
177, 36) }
```

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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