

Converting Colors

CIELCh(50, 69.937, 57.323)

Have a look what the booklet for
CIELCh(50, 69.937, 57.323) contains.

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Color

CIELCh(50, 69.840, 57.469)

Conversions

Conversions Part 1

Format	Color
Hex	C05901
RGB	192, 89, 1
RGB Percent	75%, 35%, 0%
CMY	0.2461, 0.6502, 0.9950
CMYK	0.00, 0.54, 0.99, 0.25
HSL	28°, 99%, 38%
HSV	28°, 99%, 75%
XYZ	25.3955, 18.4187, 2.2534
YIQ	109.7650, 89.6360, -5.5320

Conversions

Conversions Part 2

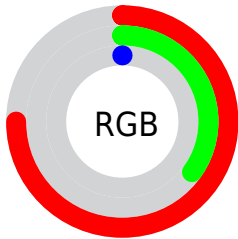
Format	Color
RYB	192, 164, 1
Decimal	12605697
CIELab	50.00, 37.56, 58.88
CIELCh	50, 69.840, 57.469
Yxy	18.4187, 0.5513, 0.3998
Android (android.graphics.Color)	4290795777 (0xFFC05901)
YUV	109.7650, -53.6211, 72.1201
Hunter-Lab	42.9170, 30.5201, 26.9287

Details

The CIELCh color **50, 69.840, 57.469** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **44, 53.681, 279.748**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 69.853, 57.466**, and **30, 56.773, 47.970** is the 20% darker color. If you saturate the color by 10%, you get **50, 70.202, 57.336**, and if you desaturate by 10%, it is **52, 64.528, 59.806**.

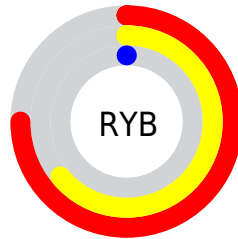
Distribution



Red (75%)

Green (35%)

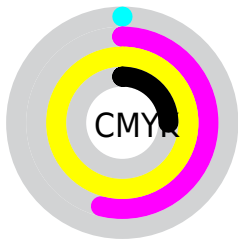
Blue (0%)



Red (75%)

Yellow (64%)

Blue (0%)

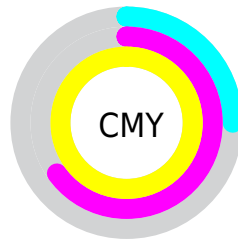


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (25%)



Cyan (25%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 69.840, 57.469 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 50, 69.840, 57.469 by changing the saturation by 10% instead.

■ 50, 69.840, 57.469

■ 50, 69.840, 57.469

■ 100, 69.840,
57.469

■ 40, 69.840, 57.469

■ 70, 69.840, 57.469

■ 30, 69.840, 57.469

■ 80, 69.840, 57.469

■ 20, 69.840, 57.469

■ 90, 69.840, 57.469

■ 10, 69.840, 57.469

■ 0, 69.840, 57.469

■ 50, 69.840, 57.469

■ 50, 69.840, 57.469

■ 50, 70.202, 57.336

■ 52, 64.528, 59.806

■ 55, 57.656, 61.574

■ 57, 49.854, 62.940

■ 60, 41.825, 64.143

■ 63, 33.935, 65.297

■ 66, 26.347, 66.444

■ 69, 19.121, 67.597

■ 72, 12.265, 68.749

■ 75, 5.765, 69.874

Harmonies

Complementary

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



50, 69.840, 57.469



44, 53.681, 279.748

Rectangle

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



50, 69.840, 57.469



50, 69.840, 107.469



50, 69.840, 237.469



50, 69.840, 287.469

Sweetspot

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



50, 69.838, 57.471



87, 24.275, 67.464



42, 69.245, 357.222



44, 16.751, 66.974



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



50, 69.838, 57.471



64, 85.865, 56.685



73, 75.415, 99.607



39, 3.526, 69.869



42, 61.251, 57.884



6, 11.463, 53.851

Inverse Universe

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



44, 53.681, 279.748



56, 66.807, 280.858



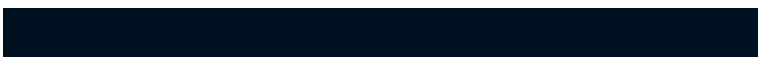
24, 105.667, 305.663



39, 3.430, 252.239



37, 46.719, 279.352



5, 12.285, 265.835

Previews

White Background



This preview shows how the CIELCh color 50, 69.840, 57.469 looks on a white background.

Color Contrast Check

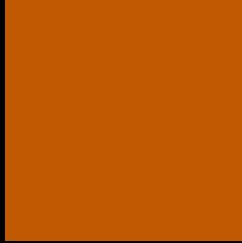
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 69.840, 57.469 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 × Fail

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

CIELCh 50, 69.840, 57.469

Background



This preview shows how black text looks on a background with the CIELCh color 50, 69.840, 57.469.



This preview shows how white text looks on a background with the CIELCh color 50, 69.840, 57.469.

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

50, 69.840, 57.469

Protanopia

50, 52.209, 95.334

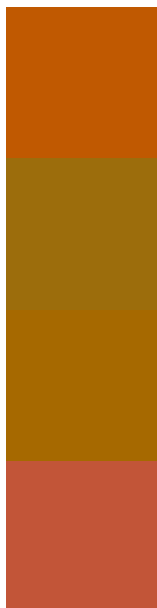
Deuteranopia

50, 56.869, 84.212



Tritanopia
50, 49.411, 23.614

Trichromacy



Original Color
50, 69.840, 57.469

Protanomaly
50, 54.997, 78.325

Deuteranomaly
50, 59.839, 72.700

Tritanomaly
50, 56.403, 42.135

Monochromacy



Original Color
50, 69.840, 57.469

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 26.502, 65.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 69.840, 57.469 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(192, 89, 1)` looks like.

```
.text, #text, p{  
    color:rgb(192, 89, 1)  
}
```

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(192, 89, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 89, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 69.840, 57.469 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(192, 89, 1) }
```

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

```
.border{ border-color:rgb(192, 89, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 89, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 89, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 89, 1);  
box-shadow:4px 4px 4px 4px rgb(192, 89, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 69.840, 57.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 89, 1) }
```

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

```
.background{ background-color: rgb(192, 89,  
1) }
```

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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