

Converting Colors

CIELCh(50, 69.189, 298.995)

Have a look what the booklet for
CIELCh(50, 69.189, 298.995)
contains.

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Color

CIELCh(50, 69.189, 298.995)

Conversions

Conversions Part 1

Format	Color
Hex	6C68DF
RGB	108, 104, 223
RGB Percent	42%, 41%, 87%
CMY	0.5764, 0.5921, 0.1255
CMYK	0.52, 0.53, 0.00, 0.13
HSL	242°, 65%, 64%
HSV	242°, 53%, 87%
XYZ	24.4566, 18.4187, 72.0838
YIQ	118.7620, -35.8150, 37.8570

Conversions

Conversions Part 2

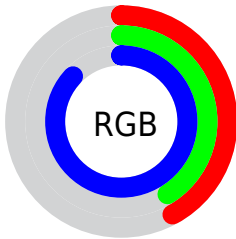
Format	Color
R _Y B	108, 104, 223
Decimal	7104735
CIE Lab	50.00, 33.54, -60.52
CIE LCh	50, 69.189, 298.995
Yxy	18.4187, 0.2127, 0.1602
Android (android.graphics.Color)	4285294815 (0xFF6C68DF)
YUV	118.7620, 51.3893, -9.4383
Hunter-Lab	42.9170, 26.6150, -69.5423

Details

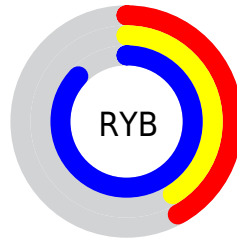
The CIELCh color `50, 69.189, 298.995` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `86, 59.450, 106.753`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 55.175, 298.753`, and `30, 69.131, 298.899` is the 20% darker color. If you saturate the color by 10%, you get `43, 83.493, 301.013`, and if you desaturate by 10%, it is `57, 55.108, 297.132`.

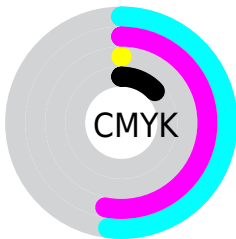
Distribution



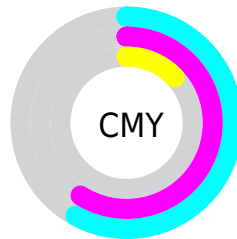
- Red (42%)
- Green (41%)
- Blue (87%)



- Red (42%)
- Yellow (41%)
- Blue (87%)



- Cyan (52%)
- Magenta (53%)
- Yellow (0%)
- Black (13%)





- Cyan (58%)
- Magenta (59%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 69.189, 298.995 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, 69.189, 298.995 by changing the saturation by 10% instead.


 50, 69.189,
298.995


 50, 69.189,
298.995


 100, 69.189,
298.995


 40, 69.189,
298.995


 70, 69.189,
298.995

 30, 69.189,
298.995


 80, 69.189,
298.995


 20, 69.189,
298.995

 90, 69.189,
298.995

 10, 69.189,
298.995

 0, 69.189, 298.995

 50, 69.189,
298.995

 50, 69.189,
298.995

■ 43, 83.493,
301.013

■ 57, 55.108,
297.132

■ 37, 97.343,
303.030

■ 64, 41.509,
295.485

■ 32, 109.361,
304.774

■ 72, 28.458,
294.063

■ 29, 117.589,
305.920

■ 79, 15.946,
292.850

■ 28, 120.770,
306.366

■ 86, 3.940, 291.828

■ 94, 7.598, 110.930

■ 99, 16.183,
108.954

Harmonies

Complementary

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



50, 69.189, 298.995



86, 59.450, 106.753

Rectangle

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



50, 69.189, 298.995



50, 69.189, 348.995



50, 69.189, 118.995



50, 69.189, 168.995

Sweetspot

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



50, 69.189, 298.996



87, 21.406, 293.165



81, 33.562, 200.778



45, 14.514, 293.411



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 69.189, 298.996



49, 94.150, 301.243



56, 69.865, 312.796



43, 6.758, 292.427



21, 101.130, 306.392



2, 31.682, 296.647

Inverse Universe

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



62, 72.154, 328.202



66, 92.826, 328.675



82, 64.966, 127.792



44, 7.970, 325.856



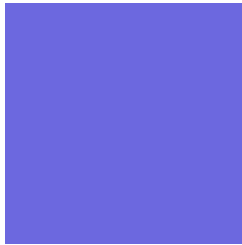
41, 85.221, 329.611



8, 35.128, 329.373

Previews

White Background



This preview shows how the CIELCh color 50, 69.189, 298.995 looks on a white background.

Color Contrast Check

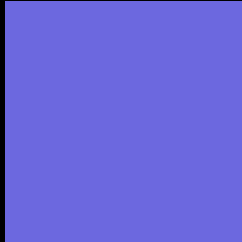
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 69.189, 298.995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

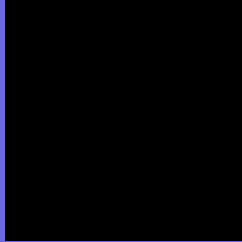
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 69.189, 298.995

Background



This preview shows how black text looks on a background with the CIELCh color 50, 69.189, 298.995.




This preview shows how white text looks on a background with the CIELCh color 50, 69.189, 298.995.

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





Tritanopia
50, 16.589, 218.754

Trichromacy



Original Color
50, 69.189, 298.995

Protanomaly
50, 69.368, 290.617

Deuteranomaly
49, 60.357, 283.517

Tritanomaly
49, 30.133, 277.198

Monochromacy



Original Color
50, 69.189, 298.995

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 25.246, 294.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 69.189, 298.995 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(108, 104, 223)` looks like.

```
.text, #text, p{  
    color:rgb(108, 104, 223)  
}
```

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(108, 104, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 104, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 69.189, 298.995 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(108, 104, 223) }
```

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

```
.border{ border-color:rgb(108, 104, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 104, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 104, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 104, 223);  
box-shadow:4px 4px 4px 4px rgb(108, 104,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 69.189, 298.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 104, 223) }
```

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

```
.background{ background-color: rgb(108,  
104, 223) }
```

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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