

Converting Colors

CIELCh(50, 66.763, 296.236)

Have a look what the booklet for
CIELCh(50, 66.763, 296.236)
contains.

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Color

CIELCh(50, 66.850, 296.290)

Conversions

Conversions Part 1

Format	Color
Hex	636BDE
RGB	99, 107, 222
RGB Percent	39%, 42%, 87%
CMY	0.6121, 0.5807, 0.1297
CMYK	0.55, 0.52, 0.00, 0.13
HSL	236°, 65%, 63%
HSV	236°, 55%, 87%
XYZ	23.5612, 18.4187, 71.3645
YIQ	117.7180, -41.6830, 34.0690

Conversions

Conversions Part 2

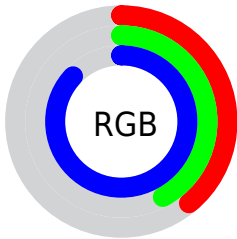
Format	Color
R_{YB}	99, 107, 222
Decimal	6515678
CIE _{Lab}	50.00, 29.61, -59.94
CIE _{LCh}	50, 66.850, 296.290
Yxy	18.4187, 0.2079, 0.1625
Android (android.graphics.Color)	4284705758 (0xFF636BDE)
YUV	117.7180, 51.4110, -16.4157
Hunter-Lab	42.9170, 22.8910, -68.5486

Details

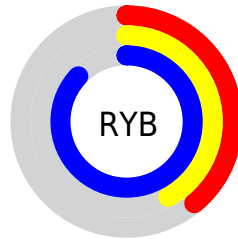
The CIELCh color $50, 66.850, 296.290$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $84, 57.969, 101.779$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 53.319, 295.273$, and $30, 66.858, 296.239$ is the 20% darker color. If you saturate the color by 10%, you get $44, 80.330, 298.674$, and if you desaturate by 10%, it is $57, 53.693, 294.121$.

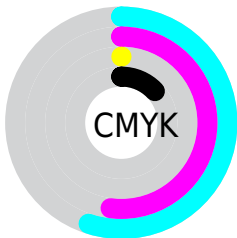
Distribution



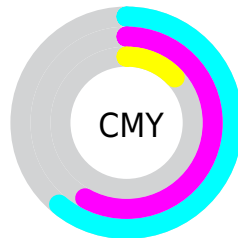
- Red (39%)
- Green (42%)
- Blue (87%)



- Red (39%)
- Yellow (42%)
- Blue (87%)



- Cyan (55%)
- Magenta (52%)
- Yellow (0%)
- Black (13%)





- Cyan (61%)
- Magenta (58%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 66.850, 296.290 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, 66.850, 296.290 by changing the saturation by 10% instead.


 50, 66.850,
296.290


 50, 66.850,
296.290


 100, 66.850,
296.290


 40, 66.850,
296.290


 70, 66.850,
296.290

 30, 66.850,
296.290


 80, 66.850,
296.290


 20, 66.850,
296.290

 90, 66.850,
296.290

 10, 66.850,
296.290

 0, 66.850, 296.290

 50, 66.850,
296.290

 50, 66.850,
296.290

44, 80.330,
298.674

57, 53.693,
294.121

38, 93.645,
301.126

64, 41.021,
292.219

33, 105.723,
303.388

71, 28.855,
290.584

29, 114.877,
305.126

78, 17.171,
289.192

28, 117.689,
305.641

85, 5.932, 288.018

92, 4.896, 106.973

98, 15.344,
106.125

99, 16.731,
108.913

Harmonies

Complementary

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



50, 66.850, 296.290



84, 57.969, 101.779

Rectangle

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



50, 66.850, 296.290



50, 66.850, 346.290



50, 66.850, 116.290



50, 66.850, 166.290

Sweetspot

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



50, 66.850, 296.291



87, 21.252, 289.414



82, 36.703, 190.018



45, 14.270, 289.685



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, 66.850, 296.291



49, 92.364, 299.190



53, 71.926, 309.914



43, 6.309, 288.465



22, 98.301, 305.456



3, 30.203, 294.487

Inverse Universe

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



58, 52.474, 21.731



60, 72.012, 25.289



83, 65.186, 124.114



44, 4.738, 14.668



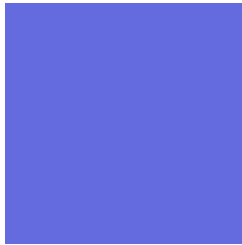
36, 76.416, 37.312



6, 25.400, 18.200

Previews

White Background



This preview shows how the CIE LCh color 50, 66.850, 296.290 looks on a white background.

Color Contrast Check

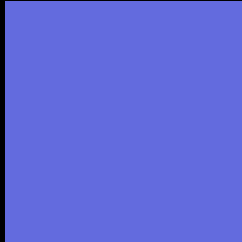
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 66.850, 296.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

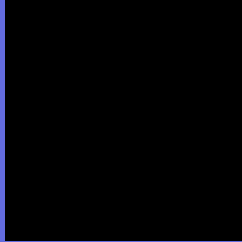
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 66.850, 296.290

Background



This preview shows how black text looks on a background with the CIELCh color 50, 66.850, 296.290.



This preview shows how white text looks on a background with the CIELCh color 50, 66.850, 296.290.

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, 20.146, 214.600

Trichromacy



Original Color
50, 66.850, 296.290

Protanomaly
50, 67.061, 290.056

Deuteranomaly
49, 59.290, 282.508

Tritanomaly
49, 30.521, 270.332

Monochromacy



Original Color
50, 66.850, 296.290

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 24.663, 290.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 66.850, 296.290 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(99, 107, 222)` looks like.

```
.text, #text, p{  
    color:rgb(99, 107, 222)  
}
```

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(99, 107, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 107, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 66.850, 296.290 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(99, 107, 222) }
```

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

```
.border{ border-color:rgb(99, 107, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 107, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 107, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 107, 222);  
box-shadow:4px 4px 4px 4px rgb(99, 107,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 66.850, 296.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 107, 222) }
```

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

```
.background{ background-color: rgb(99, 107,  
222) }
```

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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