

Converting Colors

CIELCh(50, 65.034, 296.329)

Have a look what the booklet for
CIELCh(50, 65.034, 296.329)
contains.

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Color

CIELCh(50, 65.154, 296.481)

Conversions

Conversions Part 1

Format	Color
Hex	656BDB
RGB	101, 107, 219
RGB Percent	40%, 42%, 86%
CMY	0.6036, 0.5801, 0.1409
CMYK	0.54, 0.51, 0.00, 0.14
HSL	237°, 62%, 63%
HSV	237°, 54%, 86%
XYZ	23.4362, 18.4187, 69.3902
YIQ	117.9740, -39.5280, 33.5600

Conversions

Conversions Part 2

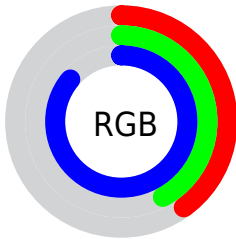
Format	Color
RYB	101, 107, 219
Decimal	6646747
CIELab	50.00, 29.05, -58.32
CIELCh	50, 65.154, 296.481
Yxy	18.4187, 0.2107, 0.1656
Android (android.graphics.Color)	4284836827 (0xFF656BDB)
YUV	117.9740, 49.8058, -14.8862
Hunter-Lab	42.9170, 22.3709, -65.8211

Details

The CIELCh color **50, 65.154, 296.481** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **84, 56.597, 102.671**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 53.320, 295.578**, and **30, 65.013, 296.461** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.665, 298.802**, and if you desaturate by 10%, it is **57, 51.983, 294.378**.

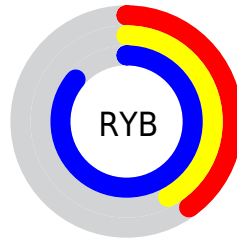
Distribution



Red (40%)

Green (42%)

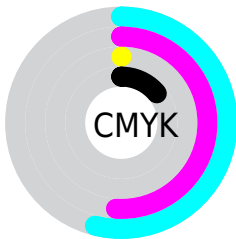
Blue (86%)



Red (40%)

Yellow (42%)

Blue (86%)

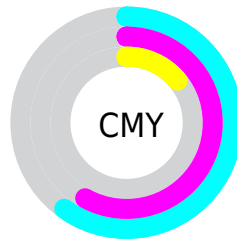


Cyan (54%)

Magenta (51%)

Yellow (0%)

Black (14%)



Cyan (60%)


Magenta (58%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 65.154, 296.481 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, 65.154, 296.481 by changing the saturation by 10% instead.


 50, 65.154,
296.481


 50, 65.154,
296.481


 100, 65.154,
296.481


 40, 65.154,
296.481


 70, 65.154,
296.481

 30, 65.154,
296.481


 80, 65.154,
296.481


 20, 65.154,
296.481

 90, 65.154,
296.481

 10, 65.154,
296.481

 0, 65.154, 296.481

 50, 65.154,
296.481

 50, 65.154,
296.481

■ 43, 78.665,
298.802

■ 57, 51.983,
294.378

■ 38, 92.048,
301.201

■ 64, 39.306,
292.538

■ 33, 104.250,
303.426

■ 71, 27.140,
290.958

■ 29, 113.571,
305.143

■ 78, 15.461,
289.615

■ 28, 117.195,
305.793

■ 85, 4.232, 288.488

■ 92, 6.583, 107.481

■ 99, 17.013,
106.659

■ 99, 18.165,
108.804

Harmonies

Complementary

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



50, 65.154, 296.481



84, 56.597, 102.671

Rectangle

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



50, 65.154, 296.481



50, 65.154, 346.481



50, 65.154, 116.481



50, 65.154, 166.481

Sweetspot

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



50, 65.154, 296.482



87, 20.276, 289.902



81, 35.604, 190.131



45, 13.744, 290.173



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, 65.154, 296.482



50, 90.800, 299.209



53, 69.134, 309.817



42, 6.286, 289.089



21, 97.855, 305.630



2, 28.557, 293.832

Inverse Universe

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



58, 50.528, 22.384



61, 70.190, 25.649



82, 62.865, 124.167



43, 4.643, 15.827



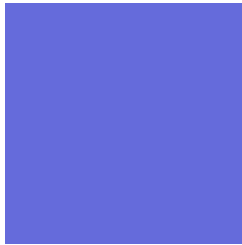
36, 76.106, 37.848



5, 23.769, 18.083

Previews

White Background



This preview shows how the CIELCh color 50, 65.154, 296.481 looks on a white background.

Color Contrast Check

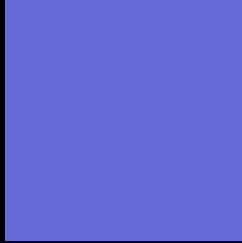
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.154, 296.481 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, 65.154, 296.481

Background



This preview shows how black text looks on a background with the CIELCh color 50, 65.154, 296.481.



This preview shows how white text looks on a background with the CIELCh color 50, 65.154, 296.481.

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, 18.674, 216.135

Trichromacy



Original Color
50, 65.154, 296.481

Protanomaly
50, 65.325, 290.157

Deuteranomaly
49, 59.272, 282.594

Tritanomaly
50, 29.151, 270.985

Monochromacy



Original Color
50, 65.154, 296.481

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 24.074, 291.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 65.154, 296.481 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(101, 107, 219)` looks like.

```
.text, #text, p{  
    color:rgb(101, 107, 219)  
}
```

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(101, 107, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 107, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 65.154, 296.481 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(101, 107, 219) }
```

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

```
.border{ border-color:rgb(101, 107, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 107, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 107, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 107, 219);  
box-shadow:4px 4px 4px 4px rgb(101, 107,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 65.154, 296.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 107, 219) }
```

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

```
.background{ background-color: rgb(101,  
107, 219) }
```

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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