

Converting Colors

CIELCh(50, 75.044, 294.649)

Have a look what the booklet for
CIELCh(50, 75.044, 294.649)
contains.

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Color

CIELCh(50, 75.413, 294.793)

Conversions

Conversions Part 1

Format	Color
Hex	526BED
RGB	82, 107, 237
RGB Percent	32%, 42%, 93%
CMY	0.6785, 0.5804, 0.0707
CMYK	0.65, 0.55, 0.00, 0.07
HSL	230°, 81%, 63%
HSV	230°, 65%, 93%
XYZ	24.0176, 18.4187, 82.3967
YIQ	114.3450, -56.6300, 35.1300

Conversions

Conversions Part 2

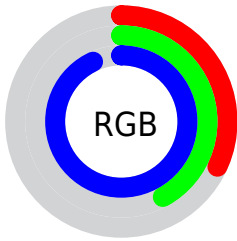
Format	Color
R_{YB}	82, 104, 237
Decimal	5401581
CIE _{Lab}	50.00, 31.62, -68.46
CIE _{LCh}	50, 75.413, 294.793
Yxy	18.4187, 0.1924, 0.1475
Android (android.graphics.Color)	4283591661 (0xFF526BED)
YUV	114.3450, 60.4689, -28.3666
Hunter-Lab	42.9170, 24.7890, -83.7896

Details

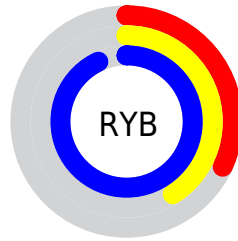
The CIELCh color **50, 75.413, 294.793** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle muted azure. A complement of this color would be **85, 65.378, 95.066**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 53.401, 291.719**, and **31, 75.164, 296.531** is the 20% darker color. If you saturate the color by 10%, you get **44, 88.313, 297.618**, and if you desaturate by 10%, it is **56, 62.733, 292.161**.

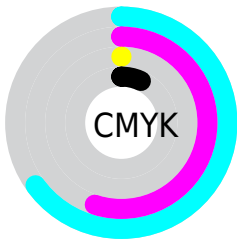
Distribution



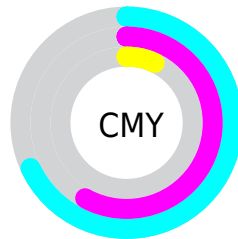
- Red (32%)
- Green (42%)
- Blue (93%)



- Red (32%)
- Yellow (41%)
- Blue (93%)



- Cyan (65%)
- Magenta (55%)
- Yellow (0%)
- Black (7%)





- Cyan (68%)
- Magenta (58%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 75.413, 294.793 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, 75.413, 294.793 by changing the saturation by 10% instead.


 50, 75.413,
294.793


 50, 75.413,
294.793


 100, 75.413,
294.793


 40, 75.413,
294.793


 70, 75.413,
294.793

 30, 75.413,
294.793


 80, 75.413,
294.793


 20, 75.413,
294.793

 90, 75.413,
294.793

 10, 75.413,
294.793

 0, 75.413, 294.793

 50, 75.413,
294.793

 50, 75.413,
294.793

44, 88.313,
297.618

56, 62.733,
292.161

39, 100.897,
300.441

63, 50.467,
289.813

34, 112.107,
302.978

70, 38.650,
287.772

33, 116.441,
303.931

77, 27.260,
286.021

83, 16.261,
284.530

90, 5.620, 283.271

97, 4.688, 102.118

100, 9.120,
109.486

Harmonies

Complementary

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



50, 75.413, 294.793



85, 65.378, 95.066

Rectangle

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



50, 75.413, 294.793



50, 75.413, 344.793



50, 75.413, 114.793



50, 75.413, 164.793

Sweetspot

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



50, 75.413, 294.794



86, 22.575, 285.197



86, 46.422, 179.259



44, 15.474, 285.625



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, 75.413, 294.794



46, 97.287, 298.449



48, 89.597, 307.873



46, 5.894, 283.753



24, 93.962, 303.557



4, 31.759, 294.518

Inverse Universe

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



57, 64.113, 17.507



57, 79.939, 22.455



88, 77.274, 119.887



46, 5.007, 7.045



38, 73.669, 32.126



7, 27.986, 16.076

Previews

White Background



This preview shows how the CIE LCh color 50, 75.413, 294.793 looks on a white background.

Color Contrast Check

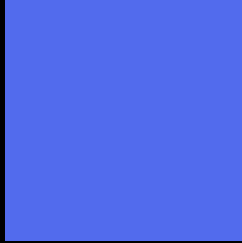
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.413, 294.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

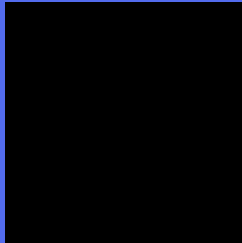
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 75.413, 294.793

Background



This preview shows how black text looks on a background with the CIELCh color 50, 75.413, 294.793.



This preview shows how white text looks on a background with the CIELCh color 50, 75.413, 294.793.

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, 29.482, 209.458

Trichromacy



Original Color
50, 75.413, 294.793

Protanomaly
49, 75.367, 289.192

Deuteranomaly
49, 61.535, 283.084

Tritanomaly
49, 36.950, 260.323

Monochromacy



Original Color
50, 75.413, 294.793

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 28.377, 287.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 75.413, 294.793 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(82, 107, 237)` looks like.

```
.text, #text, p{  
    color:rgb(82, 107, 237)  
}
```

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(82, 107, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 107, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 75.413, 294.793 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(82, 107, 237) }
```

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

```
.border{ border-color:rgb(82, 107, 237) }
```

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

Here you see how a box with a 4 pixel rgb(82, 107, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 107, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 107, 237);  
box-shadow:4px 4px 4px 4px rgb(82, 107,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 75.413, 294.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 107, 237) }
```

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

```
.background{ background-color: rgb(82, 107,  
237) }
```

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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