

Converting Colors

CIELCh(50, 83.820, 295.304)

Have a look what the booklet for
CIELCh(50, 83.820, 295.304)
contains.

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Color

CIELCh(50, 83.919, 295.382)

Conversions

Conversions Part 1

Format	Color
Hex	4869FA
RGB	72, 105, 250
RGB Percent	28%, 41%, 98%
CMY	0.7169, 0.5878, 0.0191
CMYK	0.71, 0.58, 0.00, 0.02
HSL	229°, 95%, 63%
HSV	229°, 71%, 98%
XYZ	25.0224, 18.4187, 92.7819
YIQ	111.6630, -66.2130, 38.0990

Conversions

Conversions Part 2

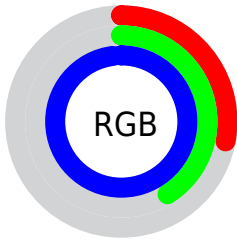
Format	Color
R _Y B	72, 100, 250
Decimal	4745722
CIE Lab	50.00, 35.97, -75.82
CIE LCh	50, 83.919, 295.382
Yxy	18.4187, 0.1837, 0.1352
Android (android.graphics.Color)	4282935802 (0xFF4869FA)
YUV	111.6630, 68.2001, -34.7845
Hunter-Lab	42.9170, 28.9683, -98.1369

Details

The CIELCh color **50, 83.919, 295.382** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **87, 71.873, 92.745**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 54.637, 291.141**, and **32, 82.485, 298.082** is the 20% darker color. If you saturate the color by 10%, you get **44, 97.000, 298.349**, and if you desaturate by 10%, it is **56, 70.903, 292.541**.

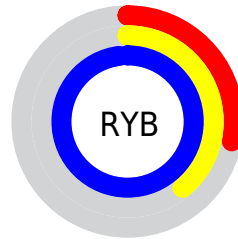
Distribution



Red (28%)

Green (41%)

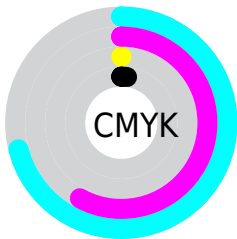
Blue (98%)



Red (28%)

Yellow (39%)

Blue (98%)

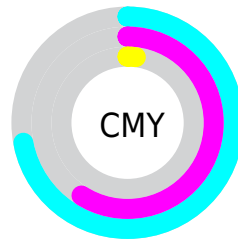


Cyan (71%)

Magenta (58%)

Yellow (0%)

Black (2%)



Cyan (72%)


Magenta (59%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 83.919, 295.382 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, 83.919, 295.382 by changing the saturation by 10% instead.


 50, 83.919,
295.382


 50, 83.919,
295.382


 100, 83.919,
295.382


 40, 83.919,
295.382


 70, 83.919,
295.382

 30, 83.919,
295.382


 80, 83.919,
295.382


 20, 83.919,
295.382

 90, 83.919,
295.382

 10, 83.919,
295.382

 0, 83.919, 295.382

 50, 83.919,
295.382

 50, 83.919,
295.382

44, 97.000,
298.349

56, 70.903,
292.541

39, 109.427,
301.201

63, 58.254,
289.961

36, 118.945,
303.359

70, 46.048,
287.694

77, 34.275,
285.740

84, 22.900,
284.070

91, 11.888,
282.650

98, 1.210, 281.561

100, 2.461,
109.963

Harmonies

Complementary

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



50, 83.919, 295.382



87, 71.873, 92.745

Rectangle

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



50, 83.919, 295.382



50, 83.919, 345.382



50, 83.919, 115.382



50, 83.919, 165.382

Sweetspot

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



50, 83.919, 295.383



85, 23.100, 284.052



89, 52.639, 175.403



43, 15.703, 284.486



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, 83.919, 295.383



43, 103.541, 299.504



47, 101.731, 307.540



48, 6.046, 282.439



26, 94.925, 302.948



5, 36.515, 297.248

Inverse Universe

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



58, 72.022, 17.771



55, 84.758, 23.876



92, 85.417, 118.413



49, 5.313, 5.222



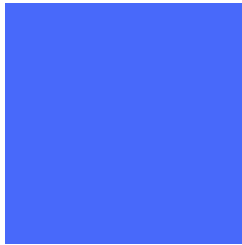
39, 74.901, 30.643



9, 31.065, 18.481

Previews

White Background



This preview shows how the CIE LCh color 50, 83.919, 295.382 looks on a white background.

Color Contrast Check

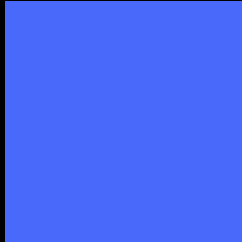
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.919, 295.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

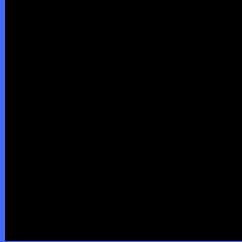
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 83.919, 295.382

Background



This preview shows how black text looks on a background with the CIELCh color 50, 83.919, 295.382.



This preview shows how white text looks on a background with the CIELCh color 50, 83.919, 295.382.

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



Trichromacy



Original Color
50, 83.919, 295.382

Protanomaly
50, 77.571, 289.653

Tritanomaly
49, 38.867, 262.540

Monochromacy



Original Color
50, 83.919, 295.382

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 31.418, 287.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 83.919, 295.382 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(72, 105, 250)` looks like.

```
.text, #text, p{  
    color:rgb(72, 105, 250)  
}
```

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(72, 105, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 105, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 83.919, 295.382 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(72, 105, 250) }
```

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

```
.border{ border-color:rgb(72, 105, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 105, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 105, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 105, 250);  
box-shadow:4px 4px 4px 4px rgb(72, 105,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 83.919, 295.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 105, 250) }
```

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

```
.background{ background-color: rgb(72, 105,  
250) }
```

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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