

Converting Colors

CIELCh(50, 86.695, 294.828)

Have a look what the booklet for
CIELCh(50, 86.695, 294.828)
contains.

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Color

CIELCh(50, 86.803, 294.881)

Conversions

Conversions Part 1

Format	Color
Hex	3E69FF
RGB	62, 105, 255
RGB Percent	24%, 41%, 100%
CMY	0.7585, 0.5871, 0.0000
CMYK	0.76, 0.59, 0.00, 0.00
HSL	226°, 100%, 62%
HSV	226°, 76%, 100%
XYZ	25.1512, 18.4187, 97.1468
YIQ	109.2430, -73.7780, 37.5340

Conversions

Conversions Part 2

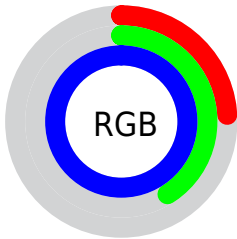
Format	Color
R _Y B	62, 97, 255
Decimal	4090367
CIE Lab	50.00, 36.52, -78.75
CIE LCh	50, 86.803, 294.881
Yxy	18.4187, 0.1787, 0.1309
Android (android.graphics.Color)	4282280447 (0xFF3E69FF)
YUV	109.2430, 71.8582, -41.4321
Hunter-Lab	42.9170, 29.5041, -104.1670

Details

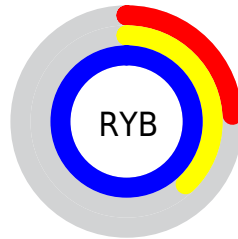
The CIELCh color **50, 86.803, 294.881** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **86, 74.656, 89.110**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 54.748, 289.528**, and **32, 85.212, 298.530** is the 20% darker color. If you saturate the color by 10%, you get **44, 99.217, 298.005**, and if you desaturate by 10%, it is **56, 74.010, 291.778**.

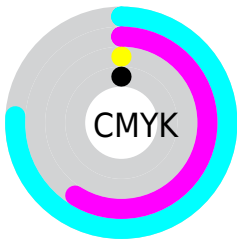
Distribution



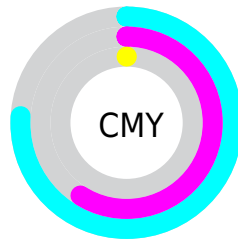
- Red (24%)
- Green (41%)
- Blue (100%)



- Red (24%)
- Yellow (38%)
- Blue (100%)



- Cyan (76%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (59%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 86.803, 294.881 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, 86.803, 294.881 by changing the saturation by 10% instead.


 50, 86.803,
294.881


 50, 86.803,
294.881


 100, 86.803,
294.881


 40, 86.803,
294.881


 70, 86.803,
294.881

 30, 86.803,
294.881


 80, 86.803,
294.881


 20, 86.803,
294.881

 90, 86.803,
294.881

 10, 86.803,
294.881

 0, 86.803, 294.881

 50, 86.803,
294.881

 50, 86.803,
294.881

44, 99.217,
298.005

56, 74.010,
291.778

40, 111.144,
300.993

62, 61.738,
288.958

38, 115.665,
302.082

69, 49.871,
286.460

76, 38.400,
284.297

83, 27.288,
282.443

89, 16.502,
280.863

96, 6.015, 279.530

100, 0.012,
296.813

Harmonies

Complementary

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



50, 86.803, 294.881



86, 74.656, 89.110

Rectangle

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



50, 86.803, 294.881



50, 86.803, 344.881



50, 86.803, 114.881



50, 86.803, 164.881

Sweetspot

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



50, 86.606, 294.848



84, 24.184, 281.967



90, 57.396, 171.724



43, 16.824, 282.574



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, 86.606, 294.848



42, 105.509, 299.584



44, 109.917, 307.214



50, 5.872, 279.987



28, 91.722, 301.604



6, 36.649, 296.777

Inverse Universe

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



58, 76.425, 16.404



54, 87.080, 23.693



94, 90.002, 116.947



50, 5.482, 2.133



40, 73.699, 27.583



10, 31.833, 17.366

Previews

White Background



This preview shows how the CIE LCh color 50, 86.803, 294.881 looks on a white background.

Color Contrast Check

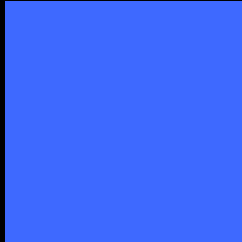
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 86.803, 294.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

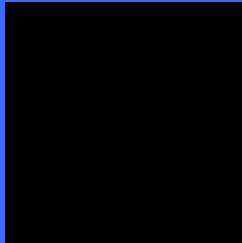
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 86.803, 294.881

Background



This preview shows how black text looks on a background with the CIELCh color 50, 86.803, 294.881.




This preview shows how white text looks on a background with the CIELCh color 50, 86.803, 294.881.

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, 29.576, 207.020

Trichromacy



Original Color
50, 86.786, 294.959

Protanomaly
50, 78.685, 289.814

Deuteranomaly
49, 64.370, 284.066

Tritanomaly
49, 39.448, 262.779

Monochromacy



Original Color
50, 86.786, 294.959

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 32.201, 285.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 86.803, 294.881 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(62, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(62, 105, 255)  
}
```

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(62, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 105, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 86.803, 294.881 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(62, 105, 255) }
```

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

```
.border{ border-color:rgb(62, 105, 255) }
```

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

Here you see how a box with a 4 pixel rgb(62, 105, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(62, 105,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 86.803, 294.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 105, 255) }
```

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

```
.background{ background-color: rgb(62, 105,  
255) }
```

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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