

Converting Colors

CIELCh(50, 69.648, 290.631)

Have a look what the booklet for
CIELCh(50, 69.648, 290.631)
contains.

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Color

CIELCh(50, 69.918, 290.761)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 436FE7 |
| RGB | 67, 111, 231 |
| RGB Percent | 26%, 44%, 91% |
| CMY | 0.7389, 0.5633, 0.0925 |
| CMYK | 0.71, 0.52, 0.00, 0.09 |
| HSL | 224°, 78%, 58% |
| HSV | 224°, 71%, 91% |
| XYZ | 22.4920, 18.4187, 78.2842 |
| YIQ | 111.5240, -64.7440, 27.9920 |

Conversions

Conversions Part 2

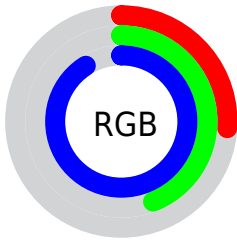
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 67, 102, 231 |
| Decimal | 4419559 |
| CIE Lab | 50.00, 24.78, -65.38 |
| CIE LCh | 50, 69.918, 290.761 |
| Yxy | 18.4187, 0.1887, 0.1545 |
| Android (android.graphics.Color) | 4282609639 (0xFF436FE7) |
| YUV | 111.5240, 58.9017, -39.0475 |
| Hunter-Lab | 42.9170, 18.4438, -78.1082 |

Details

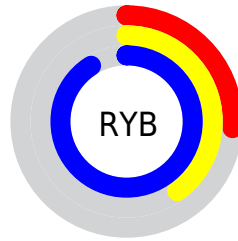
The CIELCh color **50, 69.918, 290.761** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **78, 64.075, 86.300**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 51.383, 286.524**, and **31, 69.077, 294.383** is the 20% darker color. If you saturate the color by 10%, you get **45, 80.871, 294.068**, and if you desaturate by 10%, it is **56, 59.224, 287.686**.

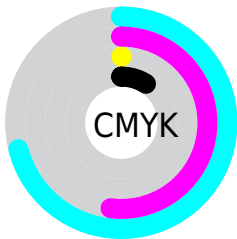
Distribution



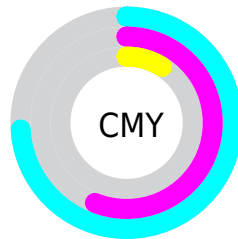
- Red (26%)
- Green (44%)
- Blue (91%)



- Red (26%)
- Yellow (40%)
- Blue (91%)



- Cyan (71%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)





- Cyan (74%)
- Magenta (56%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 69.918, 290.761 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, 69.918, 290.761 by changing the saturation by 10% instead.


 50, 69.918,
290.761


 50, 69.918,
290.761


 100, 69.918,
290.761


 40, 69.918,
290.761


 70, 69.918,
290.761

 30, 69.918,
290.761


 80, 69.918,
290.761


 20, 69.918,
290.761

 90, 69.918,
290.761

 10, 69.918,
290.761

 0, 69.918, 290.761

 50, 69.918,
290.761

 50, 69.918,
290.761

45, 80.871,
294.068

56, 59.224,
287.686

40, 91.823,
297.417

61, 48.857,
284.935

37, 101.009,
300.140

67, 38.804,
282.536

73, 29.031,
280.473

79, 19.505,
278.709

85, 10.206,
277.208

91, 1.117, 276.090

97, 7.769, 94.745

99, 11.933,
109.275

Harmonies

Complementary

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



50, 69.918, 290.761



78, 64.075, 86.300

Rectangle

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



50, 69.918, 290.761



50, 69.918, 340.761



50, 69.918, 110.761



50, 69.918, 160.761

Sweetspot

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



50, 69.918, 290.762



86, 20.866, 278.689



83, 53.784, 168.515



44, 14.168, 279.150



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, 69.918, 290.762



47, 92.025, 295.489



42, 96.214, 305.766



45, 5.115, 276.967



28, 81.799, 299.602



5, 27.259, 290.278

Inverse Universe

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



54, 66.744, 10.778



56, 81.897, 16.743



87, 79.022, 114.620



45, 5.125, 358.796



37, 68.010, 23.465



7, 26.642, 10.025

Previews

White Background



This preview shows how the CIE LCh color 50, 69.918, 290.761 looks on a white background.

Color Contrast Check

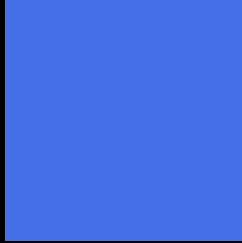
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.918, 290.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

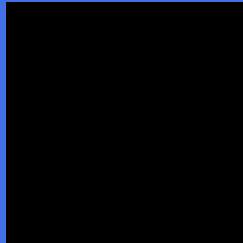
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 69.918, 290.761

Background



This preview shows how black text looks on a background with the CIELCh color 50, 69.918, 290.761.



This preview shows how white text looks on a background with the CIELCh color 50, 69.918, 290.761.

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, 29.523, 208.237

Trichromacy



Original Color
50, 69.899, 290.882

Protanomaly
50, 70.068, 288.663

Deuteranomaly
49, 59.968, 281.695

Tritanomaly
49, 35.287, 255.208

Monochromacy



Original Color
50, 69.899, 290.882

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 25.784, 280.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 69.918, 290.761 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(67, 111, 231)` looks like.

```
.text, #text, p{  
    color:rgb(67, 111, 231)  
}
```

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(67, 111, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 111, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 69.918, 290.761 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(67, 111, 231) }
```

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

```
.border{ border-color:rgb(67, 111, 231) }
```

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

Here you see how a box with a 4 pixel rgb(67, 111, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 111, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 111, 231);  
box-shadow:4px 4px 4px 4px rgb(67, 111,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 69.918, 290.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 111, 231) }
```

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

```
.background{ background-color: rgb(67, 111,  
231) }
```

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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