

Converting Colors

CIELCh(50, 90.455, 299.961)

Have a look what the booklet for
CIELCh(50, 90.455, 299.961)
contains.

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Color

CIELCh(50, 90.445, 299.879)

Conversions

Conversions Part 1

Format	Color
Hex	6062FF
RGB	96, 98, 255
RGB Percent	38%, 38%, 100%
CMY	0.6239, 0.6160, 0.0003
CMYK	0.62, 0.62, 0.00, 0.00
HSL	239°, 100%, 69%
HSV	239°, 62%, 100%
XYZ	27.2115, 18.4187, 96.6583
YIQ	115.3000, -51.5890, 48.4030

Conversions

Conversions Part 2

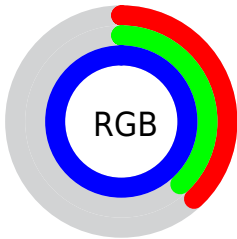
Format	Color
R _Y B	96, 98, 255
Decimal	6316799
CIE Lab	50.00, 45.06, -78.42
CIE LCh	50, 90.445, 299.879
Yxy	18.4187, 0.1912, 0.1294
Android (android.graphics.Color)	4284506879 (0xFF6062FF)
YUV	115.3000, 68.8721, -16.9261
Hunter-Lab	42.9170, 38.0731, -103.4921

Details

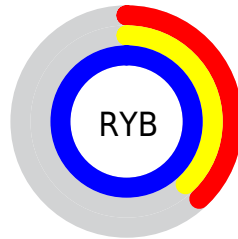
The CIELCh color **50, 90.445, 299.879** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 74.853, 103.787**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.766, 299.186**, and **30, 90.166, 300.374** is the 20% darker color. If you saturate the color by 10%, you get **43, 105.952, 302.154**, and if you desaturate by 10%, it is **58, 74.608, 297.647**.

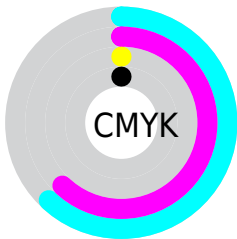
Distribution



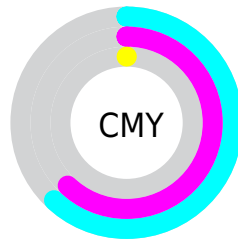
- Red (38%)
- Green (38%)
- Blue (100%)



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



- Cyan (62%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (62%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 90.445, 299.879 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, 90.445, 299.879 by changing the saturation by 10% instead.


 50, 90.445,
299.879


 50, 90.445,
299.879


 100, 90.445,
299.879


 40, 90.445,
299.879


 70, 90.445,
299.879

 30, 90.445,
299.879


 80, 90.445,
299.879


 20, 90.445,
299.879

 90, 90.445,
299.879

 10, 90.445,
299.879

 0, 90.445, 299.879

 50, 90.445,
299.879

 50, 90.445,
299.879

43, 105.952,
302.154

58, 74.608,
297.647

38, 119.668,
304.186

65, 59.116,
295.611

34, 129.392,
305.621

74, 44.202,
293.829

32, 133.284,
306.185

82, 29.907,
292.302

90, 16.207,
291.008

98, 3.059, 289.933

100, 0.030,
107.639

Harmonies

Complementary

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



50, 90.445, 299.879



97, 74.853, 103.787

Rectangle

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



50, 90.445, 299.879



50, 90.445, 349.879



50, 90.445, 119.879



50, 90.445, 169.879

Sweetspot

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



50, 90.445, 299.880



85, 25.225, 291.841



92, 43.037, 194.936



43, 17.464, 292.230



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, 90.445, 299.880



42, 109.835, 302.725



57, 90.517, 311.736



49, 7.406, 290.676



23, 107.205, 306.141



3, 43.725, 301.552

Inverse Universe

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



62, 68.254, 27.482



57, 83.093, 31.669



92, 81.895, 125.776



49, 5.252, 18.916



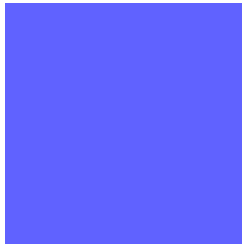
40, 83.650, 39.498



10, 33.261, 26.671

Previews

White Background



This preview shows how the CIE LCh color 50, 90.445, 299.879 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, 90.445, 299.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

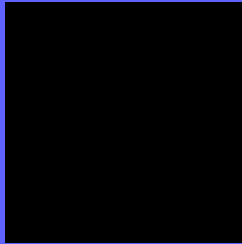
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 90.445, 299.879

Background



This preview shows how black text looks on a background with the CIELCh color 50, 90.445, 299.879.



This preview shows how white text looks on a background with the CIELCh color 50, 90.445, 299.879.

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, 27.015, 210.868

Trichromacy



Original Color
50, 90.445, 299.879

Protanomaly
49, 80.427, 291.325

Deuteranomaly
49, 65.942, 285.935

Tritanomaly
48, 39.730, 271.634

Monochromacy



Original Color
50, 90.445, 299.879

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 33.611, 293.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 90.445, 299.879 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(96, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 98, 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(96, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 98, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 90.445, 299.879 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(96, 98, 255) }
```

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

```
.border{ border-color:rgb(96, 98, 255) }
```

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

Here you see how a box with a 4 pixel rgb(96, 98, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 98,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 90.445, 299.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 98, 255) }
```

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

```
.background{ background-color: rgb(96, 98,  
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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