

Converting Colors

CIELCh(50, 94.240, 303.589)

Have a look what the booklet for
CIELCh(50, 94.240, 303.589)
contains.

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Color

CIELCh(50, 94.154, 303.610)

Conversions

Conversions Part 1

Format	Color
Hex	745BFF
RGB	116, 91, 255
RGB Percent	45%, 36%, 100%
CMY	0.5450, 0.6431, 0.0000
CMYK	0.55, 0.64, 0.00, 0.00
HSL	249°, 100%, 68%
HSV	249°, 64%, 100%
XYZ	28.9983, 18.4187, 96.6444
YIQ	117.1710, -37.7440, 56.3040

Conversions

Conversions Part 2

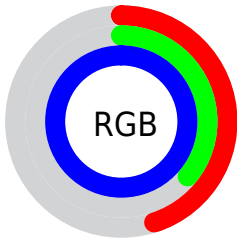
Format	Color
R _Y B	116, 91, 255
Decimal	7625727
CIE Lab	50.00, 52.12, -78.41
CIE LCh	50, 94.154, 303.610
Yxy	18.4187, 0.2013, 0.1279
Android (android.graphics.Color)	4285815807 (0xFF745BFF)
YUV	117.1710, 67.9497, -1.0270
Hunter-Lab	42.9170, 45.5049, -103.4729

Details

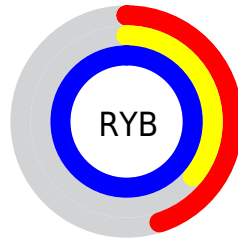
The CIELCh color **50, 94.154, 303.610** is a light color, and the websafe version is hex **6666FF**. The color can be described as light muted purple. A complement of this color would be **96, 78.234, 111.752**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 62.823, 305.466**, and **30, 94.302, 303.692** is the 20% darker color. If you saturate the color by 10%, you get **43, 108.940, 305.019**, and if you desaturate by 10%, it is **57, 78.572, 302.133**.

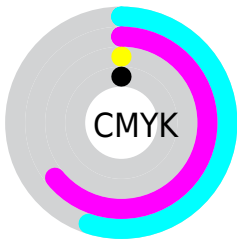
Distribution



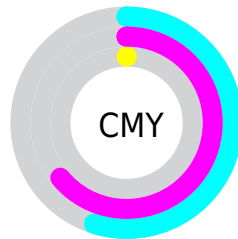
- Red (45%)
- Green (36%)
- Blue (100%)



- Red (45%)
- Yellow (36%)
- Blue (100%)



- Cyan (55%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (64%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 94.154, 303.610 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, 94.154, 303.610 by changing the saturation by 10% instead.


 50, 94.154,
303.610


 50, 94.154,
303.610


 100, 94.154,
303.610


 40, 94.154,
303.610


 70, 94.154,
303.610

 30, 94.154,
303.610


 80, 94.154,
303.610


 20, 94.154,
303.610

 90, 94.154,
303.610

 10, 94.154,
303.610

 0, 94.154, 303.610

 50, 94.154,
303.610

 50, 94.154,
303.610

43, 108.940,
305.019

57, 78.572,
302.133

38, 121.484,
306.135

65, 63.023,
300.721

35, 129.879,
306.700

73, 47.869,
299.440

33, 132.719,
306.801

81, 33.246,
298.309

89, 19.185,
297.328

97, 5.673, 296.484

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, 94.154, 303.610



96, 78.234, 111.752

Rectangle

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



50, 94.154, 303.610



50, 94.154, 353.610



50, 94.154, 123.610



50, 94.154, 173.610

Sweetspot

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



50, 94.148, 303.611



85, 25.710, 297.770



85, 38.000, 217.356



43, 17.795, 298.055



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, 94.148, 303.611



42, 112.612, 305.359



59, 93.253, 316.678



49, 7.552, 296.906



24, 106.748, 306.891



4, 44.466, 304.669

Inverse Universe

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



65, 85.993, 333.005



61, 96.007, 333.855



91, 88.198, 131.119



50, 8.152, 329.473



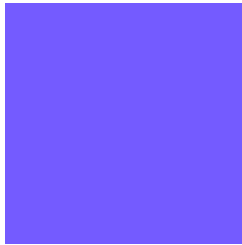
44, 82.599, 335.422



12, 38.542, 334.427

Previews

White Background



This preview shows how the CIELCh color 50, 94.154, 303.610 looks on a white background.

Color Contrast Check

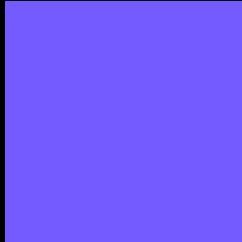
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 94.154, 303.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

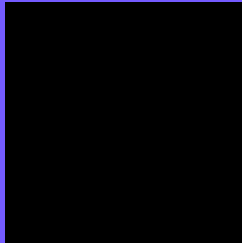
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 94.154, 303.610

Background



This preview shows how black text looks on a background with the CIELCh color 50, 94.154, 303.610.



This preview shows how white text looks on a background with the CIELCh color 50, 94.154, 303.610.

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



Original Color

50, 94.154, 303.610

Protanopia

50, 74.804, 287.570

Deuteranopia

50, 53.305, 275.601



Tritanopia
50, 18.013, 218.947

Trichromacy



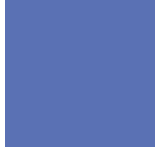
Original Color
50, 94.154, 303.610



Protanomaly
49, 82.134, 292.444



Deuteranomaly
48, 68.205, 287.893



Tritanomaly
49, 39.609, 285.434

Monochromacy



Original Color
50, 94.154, 303.610



Achromatopsia
49, 0.007, 296.813



Achromatomaly
49, 34.948, 299.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 94.154, 303.610 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(116, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 91, 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(116, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 91, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 94.154, 303.610 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(116, 91, 255) }
```

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

```
.border{ border-color:rgb(116, 91, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 91, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 91, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 91, 255); box-shadow:4px 4px 4px 4px rgb(116, 91, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 94.154, 303.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 91, 255) }
```

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

```
.background{ background-color: rgb(116, 91,  
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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