

Converting Colors

CIELCh(50, 93.568, 304.657)

Have a look what the booklet for
CIELCh(50, 93.568, 304.657)
contains.

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Color

CIELCh(50, 93.610, 304.733)

Conversions

Conversions Part 1

Format	Color
Hex	7A59FC
RGB	122, 89, 252
RGB Percent	48%, 35%, 99%
CMY	0.5200, 0.6497, 0.0103
CMYK	0.51, 0.65, 0.00, 0.01
HSL	252°, 97%, 67%
HSV	252°, 65%, 99%
XYZ	29.3139, 18.4187, 94.4238
YIQ	117.4490, -32.6550, 57.6890

Conversions

Conversions Part 2

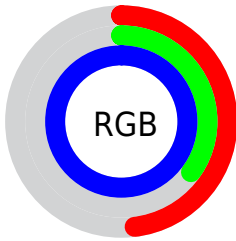
Format	Color
R _Y B	122, 89, 252
Decimal	8018428
CIE Lab	50.00, 53.33, -76.93
CIE LCh	50, 93.610, 304.733
Yxy	18.4187, 0.2062, 0.1296
Android (android.graphics.Color)	4286208508 (0xFF7A59FC)
YUV	117.4490, 66.3336, 3.9912
Hunter-Lab	42.9170, 46.8177, -100.4051

Details

The CIELCh color **50, 93.610, 304.733** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **94, 78.427, 114.114**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 64.233, 307.252**, and **30, 93.355, 304.662** is the 20% darker color. If you saturate the color by 10%, you get **44, 107.992, 305.909**, and if you desaturate by 10%, it is **57, 78.355, 303.466**.

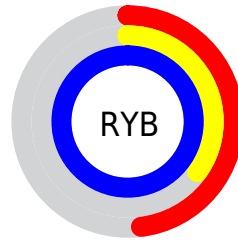
Distribution



Red (48%)

Green (35%)

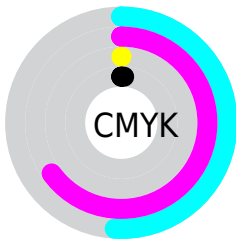
Blue (99%)



Red (48%)

Yellow (35%)

Blue (99%)

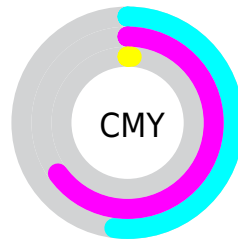


Cyan (51%)

Magenta (65%)

Yellow (0%)

Black (1%)



Cyan (52%)


Magenta (65%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 93.610, 304.733 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, 93.610, 304.733 by changing the saturation by 10% instead.


 50, 93.610,
304.733


 50, 93.610,
304.733


 100, 93.610,
304.733


 40, 93.610,
304.733


 70, 93.610,
304.733

 30, 93.610,
304.733


 80, 93.610,
304.733


 20, 93.610,
304.733

 90, 93.610,
304.733

 10, 93.610,
304.733

 0, 93.610, 304.733

 50, 93.610,
304.733

 50, 93.610,
304.733

44, 107.992,
305.909

57, 78.355,
303.466

38, 120.117,
306.791

65, 63.031,
302.231

35, 128.249,
307.148

72, 48.026,
301.094

33, 130.974,
307.156

80, 33.502,
300.080

88, 19.508,
299.192

96, 6.042, 298.420

100, 1.316,
110.021

Harmonies

Complementary

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



50, 93.610, 304.733



94, 78.427, 114.114

Rectangle

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



50, 93.610, 304.733



50, 93.610, 354.733



50, 93.610, 124.733



50, 93.610, 174.733

Sweetspot

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



50, 93.610, 304.734



85, 25.805, 299.568



82, 37.144, 225.465



43, 17.859, 299.825



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, 93.610, 304.734



42, 113.382, 306.257



59, 92.963, 318.203



48, 7.459, 298.783



24, 105.081, 307.273



4, 42.571, 305.007

Inverse Universe

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



64, 82.738, 335.140



61, 93.333, 336.281



90, 89.089, 132.488



49, 7.737, 331.198



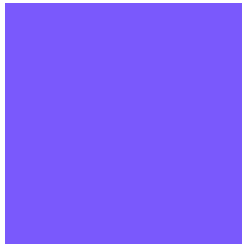
43, 78.729, 338.350



11, 36.309, 336.822

Previews

White Background



This preview shows how the CIE LCh color 50, 93.610, 304.733 looks on a white background.

Color Contrast Check

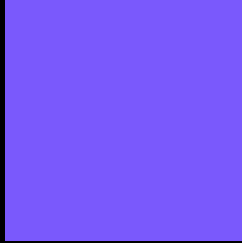
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.610, 304.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

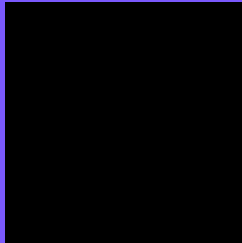
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 93.610, 304.733

Background



This preview shows how black text looks on a background with the CIELCh color 50, 93.610, 304.733.

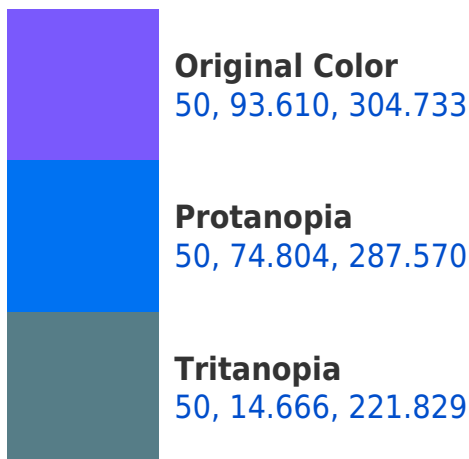


This preview shows how white text looks on a background with the CIELCh color 50, 93.610, 304.733.

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, 93.610, 304.733

Protanomaly
49, 82.179, 292.800

Tritanomaly
49, 38.805, 289.251

Monochromacy



Original Color
50, 93.610, 304.733

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 35.036, 301.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 93.610, 304.733 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(122, 89, 252)` looks like.

```
.text, #text, p{  
    color:rgb(122, 89, 252)  
}
```

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(122, 89, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 89, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 93.610, 304.733 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(122, 89, 252) }
```

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

```
.border{ border-color:rgb(122, 89, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 89, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 89, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 89, 252);  
box-shadow:4px 4px 4px 4px rgb(122, 89,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 93.610, 304.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 89, 252) }
```

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

```
.background{ background-color: rgb(122, 89,  
252) }
```

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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