

Converting Colors

CIELCh(50, 93.348, 301.668)

Have a look what the booklet for
CIELCh(50, 93.348, 301.668)
contains.

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Color

CIELCh(50, 92.652, 301.717)

Conversions

Conversions Part 1

Format	Color
Hex	6A5FFF
RGB	106, 95, 255
RGB Percent	42%, 37%, 100%
CMY	0.5853, 0.6292, 0.0000
CMYK	0.59, 0.63, 0.00, 0.00
HSL	244°, 100%, 69%
HSV	244°, 63%, 100%
XYZ	28.1263, 18.4187, 97.2508
YIQ	116.5290, -44.8040, 52.0920

Conversions

Conversions Part 2

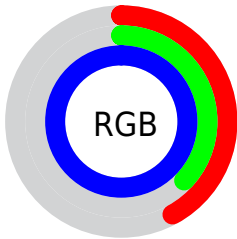
Format	Color
RYB	106, 95, 255
Decimal	6971391
CIELab	50.00, 48.71, -78.81
CIElCh	50, 92.652, 301.717
Yxy	18.4187, 0.1956, 0.1281
Android (android.graphics.Color)	4285161471 (0xFF6A5FFF)
YUV	116.5290, 68.2662, -9.2339
Hunter-Lab	42.9170, 41.8781, -104.3106

Details

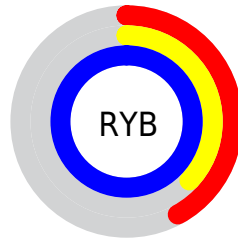
The CIELCh color **50, 92.652, 301.717** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **97, 76.309, 107.813**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 60.732, 302.259**, and **30, 92.223, 301.729** is the 20% darker color. If you saturate the color by 10%, you get **43, 107.609, 303.542**, and if you desaturate by 10%, it is **57, 76.443, 299.852**.

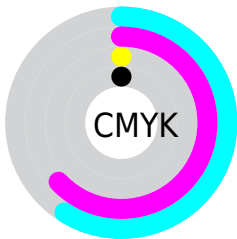
Distribution



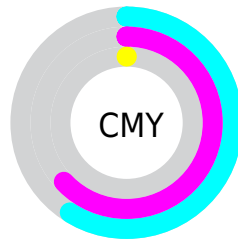
- Red (42%)
- Green (37%)
- Blue (100%)



- Red (42%)
- Yellow (37%)
- Blue (100%)



- Cyan (59%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (63%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 92.652, 301.717 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, 92.652, 301.717 by changing the saturation by 10% instead.


 50, 92.652,
301.717


 50, 92.652,
301.717


 100, 92.652,
301.717


 40, 92.652,
301.717


 70, 92.652,
301.717

 30, 92.652,
301.717


 80, 92.652,
301.717


 20, 92.652,
301.717

 90, 92.652,
301.717

 10, 92.652,
301.717

 0, 92.652, 301.717

 50, 92.652,
301.717

 50, 92.652,
301.717

43, 107.609,
303.542

57, 76.443,
299.852

38, 120.878,
305.112

65, 60.800,
298.132

34, 129.982,
306.104

73, 45.669,
296.604

33, 133.484,
306.439

81, 31.133,
295.280

90, 17.191,
294.146

98, 3.813, 293.189

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, 92.652, 301.717



97, 76.309, 107.813

Rectangle

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



50, 92.652, 301.717



50, 92.652, 351.717



50, 92.652, 121.717



50, 92.652, 171.717

Sweetspot

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



50, 92.298, 301.704



85, 25.604, 294.814



89, 39.991, 205.080



43, 17.726, 295.152



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, 92.298, 301.704



42, 110.608, 303.902



58, 91.325, 314.164



49, 7.517, 293.800



23, 107.426, 306.489



4, 44.293, 303.146

Inverse Universe

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



66, 89.478, 329.842



63, 100.272, 330.373



92, 84.506, 128.611



50, 8.636, 326.896



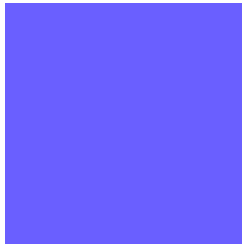
45, 88.113, 331.227



12, 40.805, 330.842

Previews

White Background



This preview shows how the CIELCh color 50, 92.652, 301.717 looks on a white background.

Color Contrast Check

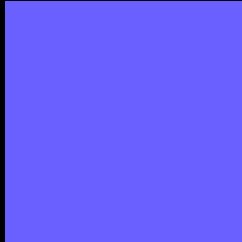
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.652, 301.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

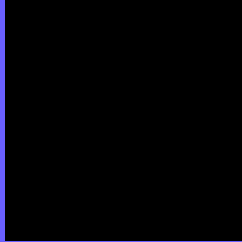
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 92.652, 301.717

Background



This preview shows how black text looks on a background with the CIELCh color 50, 92.652, 301.717.




This preview shows how white text looks on a background with the CIELCh color 50, 92.652, 301.717.

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, 22.811, 213.895

Trichromacy



Original Color
50, 92.032, 301.651



Protanomaly
49, 81.016, 291.790



Deuteranomaly
49, 67.109, 286.987



Tritanomaly
49, 39.193, 277.991

Monochromacy



Original Color
50, 92.032, 301.651



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 34.855, 296.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 92.652, 301.717 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(106, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 95, 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(106, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 95, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 92.652, 301.717 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(106, 95, 255) }
```

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

```
.border{ border-color:rgb(106, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 95,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 92.652, 301.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 95, 255) }
```

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

```
.background{ background-color: rgb(106, 95,  
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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