Converting Colors

CIELCh(50, 91.089, 300.226)

Have a look what the booklet for CIELCh(50, 91.089, 300.226) contains.

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Color

CIELCh(50, 91.008, 300.313)

Conversions

Conversions Part 1

Format	Color
Hex	6261FF
RGB	98, 97, 255
RGB Percent	38%, 38%, 100%
CMY	0.6148, 0.6190, 0.0000
CMYK	0.61, 0.62, 0.00, 0.00
HSL	240°, 100%, 69%
HSV	240°, 62%, 100%
XYZ	27.4293, 18.4187, 96.8735
YIQ	115.3110, -50.1220, 49.3500

Conversions

Conversions Part 2

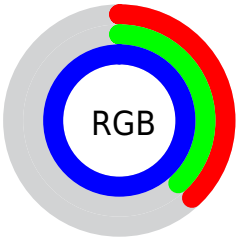
Format	Color
RYB	98, 97, 255
Decimal	6447615
CIELab	50.00, 45.93, -78.57
CIELCh	50, 91.008, 300.313
Yxy	18.4187, 0.1922, 0.1291
Android (android.graphics.Color)	4284637695 (0xFF6261FF)
YUV	115.3110, 68.8667, -15.1817
Hunter-Lab	42.9170, 38.9790, -103.7893

Details

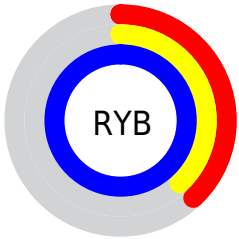
The CIELCh color 50, 91.008, 300.313 is a light color, and the websafe version is hex 6666FF. A complement of this color would be 97, 75.169, 104.773, and the grayscale version is 48, 0.006, 296.813.

A 20% lighter version of the original color is 67, 59.388, 299.763, and 30, 90.765, 300.585 is the 20% darker color. If you saturate the color by 10%, you get 43, 106.530, 302.497, and if you desaturate by 10%, it is 58, 74.904, 298.147.

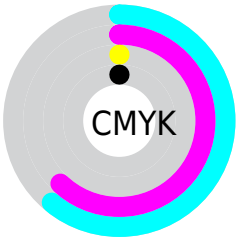
Distribution



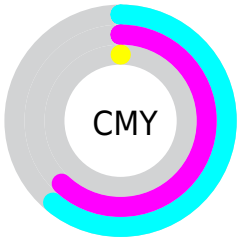
- Red (38%)
- Green (38%)
- Blue (100%)



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



- Cyan (61%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 91.008, 300.313 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, 91.008, 300.313 by changing the saturation by 10% instead.

50, 91.008, 300.313

50, 91.008, 300.313

100, 91.008, 300.313

40, 91.008, 300.313

70, 91.008, 300.313

30, 91.008, 300.313

80, 91.008, 300.313

20, 91.008, 300.313

90, 91.008, 300.313

10, 91.008, 300.313

0, 91.008, 300.313

50, 91.008, 300.313

50, 91.008, 300.313

43, 106.530, 302.497

37, 120.244, 304.430

34, 129.797, 305.754

32, 133.786, 306.301

58, 74.904, 298.147

66, 59.224, 296.172

74, 44.123, 294.441

82, 29.649, 292.958

90, 15.782, 291.700

98, 2.479, 290.658

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, 91.008, 300.313

97, 75.169, 104.773

Rectangle

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

50, 91.008, 300.313

50, 91.008, 350.313

50, 91.008, 120.313

50, 91.008, 170.313

Sweetspot

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

50, 90.910, 300.308

84, 25.567, 292.571

92, 42.527, 196.824

43, 17.702, 292.952

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, 90.910, 300.308

42, 109.636, 302.936

57, 89.889, 312.192

49, 7.504, 291.429

23, 107.747, 306.306

3, 44.144, 301.898

Inverse Universe

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

67, 92.199, 327.743

64, 103.916, 328.121

92, 81.768, 126.378

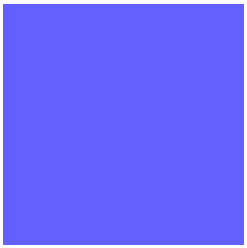
50, 9.015, 325.128

45, 92.589, 328.504

12, 42.623, 328.471

Previews

White Background

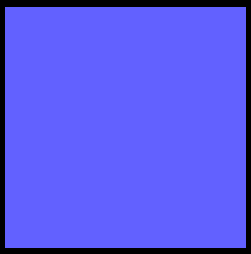


This preview shows how the CIELCh color 50, 91.008, 300.313 looks on a white background.

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



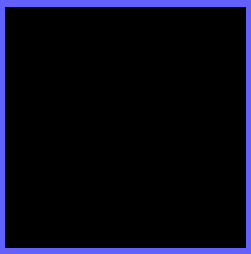
This preview shows how the CIELCh color 50, 91.008, 300.313 looks on a black background.

Color Contrast Check

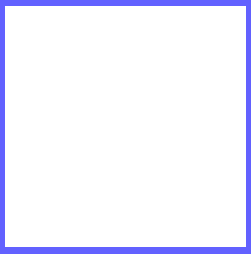
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 50, 91.008, 300.313 Background



This preview shows how black text looks on a background with the CIELCh color 50, 91.008, 300.313.

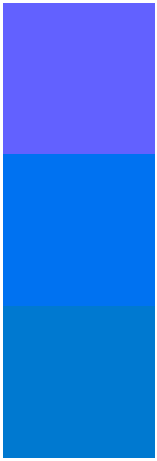


This preview shows how white text looks on a background with the CIELCh color 50, 91.008, 300.313.

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



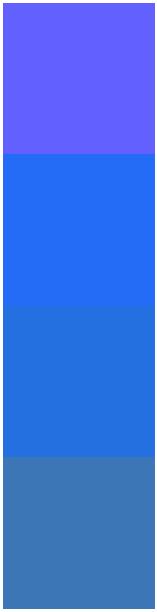
Original Color
50, 91.008, 300.313

Protanopia
50, 74.265, 287.386

Deuteranopia
50, 52.796, 275.225

Tritanopia
50, 26.113, 211.438

Trichromacy



Original Color
50, 91.008, 300.313

Protanomaly
49, 80.416, 291.376

Deuteranomaly
49, 66.531, 286.427

Tritanomaly
49, 39.401, 273.081

Monochromacy

Original Color
50, 91.008, 300.313

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 33.612, 294.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 91.008, 300.313 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(98, 97, 255) looks like.

```
.text, #text, p{
    color:rgb(98, 97, 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(98, 97, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 97, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 91.008, 300.313 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(98, 97, 255) }
```

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

```
.border{ border-color:rgb(98, 97, 255) }
```

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

Here you see how a box with a 4 pixel rgb(98, 97, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 97, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 97, 255); box-shadow:4px 4px 4px 4px rgb(98, 97, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 91.008, 300.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(98, 97, 255) }
```

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

```
.background{ background-color:rgb(98, 97,
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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