

Converting Colors

CIELCh(51, 88.537, 299.723)

Have a look what the booklet for
CIELCh(51, 88.537, 299.723)
contains.

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Color

CIELCh(51, 88.537, 299.723)

Conversions

Conversions Part 1

Format	Color
Hex	6465FF
RGB	100, 101, 255
RGB Percent	39%, 40%, 100%
CMY	0.6073, 0.6036, 0.0000
CMYK	0.61, 0.60, 0.00, 0.00
HSL	240°, 100%, 70%
HSV	240°, 61%, 100%
XYZ	27.9994, 19.2686, 96.9446
YIQ	118.2570, -50.0300, 47.6820

Conversions

Conversions Part 2

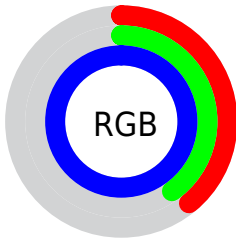
Format	Color
RYB	100, 101, 255
Decimal	6579711
CIELab	51.00, 43.90, -76.89
CIELCh	51, 88.537, 299.723
Yxy	19.2686, 0.1942, 0.1336
Android (android.graphics.Color)	4284769791 (0xFF6465FF)
YUV	118.2570, 67.4143, -16.0114
Hunter-Lab	43.8960, 37.0396, -100.2150

Details

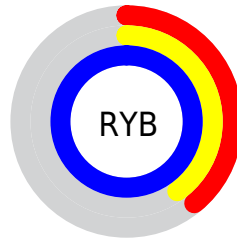
The CIELCh color **51, 88.537, 299.723** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 73.631, 104.228**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 56.973, 299.116**, and **31, 88.340, 299.717** is the 20% darker color. If you saturate the color by 10%, you get **44, 104.173, 301.979**, and if you desaturate by 10%, it is **59, 72.564, 297.526**.

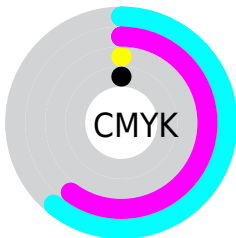
Distribution



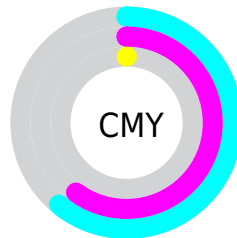
- Red (39%)
- Green (40%)
- Blue (100%)



- Red (39%)
- Yellow (40%)
- Blue (100%)



- Cyan (61%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 88.537, 299.723 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 51, 88.537, 299.723 by changing the saturation by 10% instead.


 51, 88.537,
299.723


 51, 88.537,
299.723


 100, 88.537,
299.723


 41, 88.537,
299.723


 71, 88.537,
299.723

 31, 88.537,
299.723

 81, 88.537,
299.723

 21, 88.537,
299.723

 91, 88.537,
299.723

 11, 88.537,
299.723

 1, 88.537, 299.723

 0, 88.537, 299.723

■ 51, 88.537,
299.723

■ 51, 88.537,
299.723

■ 44, 104.173,
301.979

■ 59, 72.564,
297.526

■ 38, 118.280,
304.035

■ 67, 57.044,
295.538

■ 34, 128.620,
305.531

■ 75, 42.117,
293.806

■ 32, 133.571,
306.237

■ 83, 27.816,
292.325

■ 91, 14.109,
291.071

■ 99, 0.956, 290.086

■ 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.



51, 88.537, 299.723



97, 73.631, 104.228

Rectangle

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



51, 88.537, 299.723



51, 88.537, 349.723



51, 88.537, 119.723



51, 88.537, 169.723

Sweetspot

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



51, 88.478, 299.720



85, 24.012, 291.961



92, 42.368, 194.996



43, 16.787, 292.349



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 88.478, 299.720



43, 107.578, 302.475



58, 88.251, 311.665



49, 7.456, 290.932



23, 107.499, 306.215



3, 43.930, 301.658

Inverse Universe

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



63, 66.480, 27.455



58, 81.116, 31.360



93, 80.074, 125.808



49, 5.253, 19.441



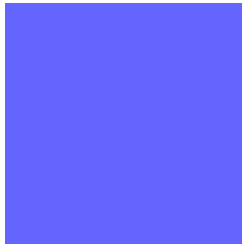
40, 83.942, 39.753



10, 33.315, 26.930

Previews

White Background



This preview shows how the CIELCh color 51, 88.537, 299.723 looks on a white background.

Color Contrast Check

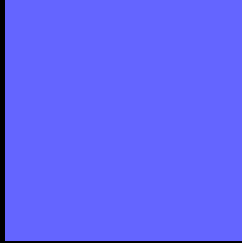
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 88.537, 299.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

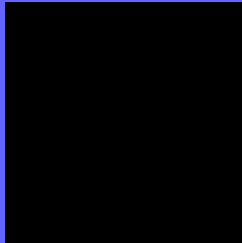
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 88.537, 299.723

Background



This preview shows how black text looks on a background with the CIELCh color 51, 88.537, 299.723.

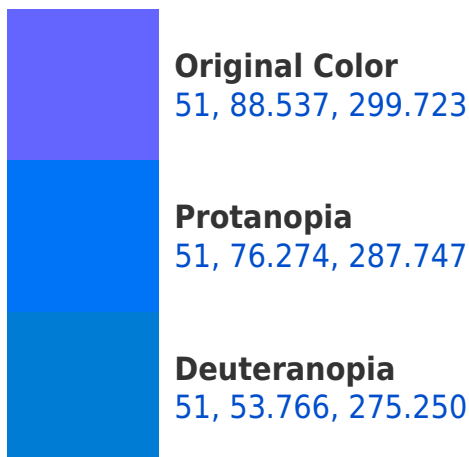



This preview shows how white text looks on a background with the CIELCh color 51, 88.537, 299.723.

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
51, 25.460, 211.852

Trichromacy



Original Color
51, 88.537, 299.723



Protanomaly
50, 80.716, 290.990



Deuteranomaly
50, 65.758, 285.367



Tritanomaly
50, 38.666, 272.791

Monochromacy



Original Color
51, 88.537, 299.723



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 32.882, 294.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 88.537, 299.723 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(100, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 101, 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(100, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 101, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 88.537, 299.723 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(100, 101, 255) }
```

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

```
.border{ border-color:rgb(100, 101, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 101,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 88.537, 299.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 101, 255) }
```

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

```
.background{ background-color: rgb(100,  
101, 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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