

Converting Colors

CIELCh(51, 89.498, 299.989)

Have a look what the booklet for
CIELCh(51, 89.498, 299.989)
contains.

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Color

CIELCh(51, 89.125, 300.055)

Conversions

Conversions Part 1

Format	Color
Hex	6664FF
RGB	102, 100, 255
RGB Percent	40%, 39%, 100%
CMY	0.6013, 0.6060, 0.0000
CMYK	0.60, 0.61, 0.00, 0.00
HSL	240°, 100%, 70%
HSV	240°, 61%, 100%
XYZ	28.1865, 19.2686, 97.3280
YIQ	118.2680, -48.5630, 48.6290

Conversions

Conversions Part 2

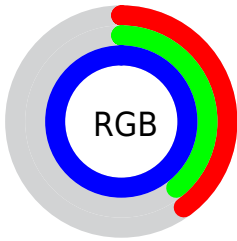
Format	Color
RYB	102, 100, 255
Decimal	6710527
CIELab	51.00, 44.64, -77.14
CIElCh	51, 89.125, 300.055
Yxy	19.2686, 0.1947, 0.1331
Android (android.graphics.Color)	4284900607 (0xFF6664FF)
YUV	118.2680, 67.4089, -14.2670
Hunter-Lab	43.8960, 37.8003, -100.7328

Details

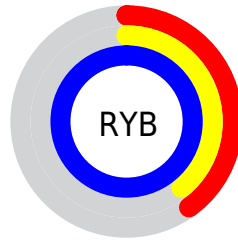
The CIELCh color **51, 89.125, 300.055** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 73.862, 104.910**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 57.596, 299.713**, and **31, 88.883, 300.094** is the 20% darker color. If you saturate the color by 10%, you get **44, 104.553, 302.230**, and if you desaturate by 10%, it is **59, 72.830, 297.897**.

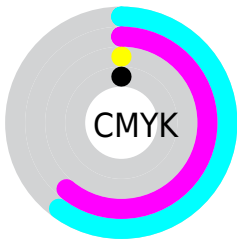
Distribution



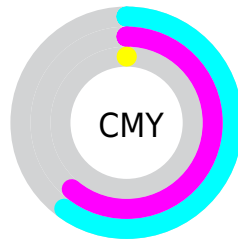
- Red (40%)
- Green (39%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 89.125, 300.055 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, 89.125, 300.055 by changing the saturation by 10% instead.


 51, 89.125,
300.055


 51, 89.125,
300.055


 100, 89.125,
300.055


 41, 89.125,
300.055


 71, 89.125,
300.055

 31, 89.125,
300.055

 81, 89.125,
300.055

 21, 89.125,
300.055

 91, 89.125,
300.055

 11, 89.125,
300.055

 1, 89.125, 300.055

 0, 89.125, 300.055

■ 51, 89.125,
300.055

■ 51, 89.125,
300.055

■ 44, 104.553,
302.230

■ 59, 72.830,
297.897

■ 38, 118.633,
304.212

■ 67, 57.219,
295.956

■ 34, 128.857,
305.630

■ 75, 42.199,
294.261

■ 32, 133.783,
306.302

■ 83, 27.806,
292.811

■ 91, 14.015,
291.582

■ 100, 0.783,
290.629

■ 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, 89.125, 300.055



97, 73.862, 104.910

Rectangle

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



51, 89.125, 300.055



51, 89.125, 350.055



51, 89.125, 120.055



51, 89.125, 170.055

Sweetspot

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



51, 88.819, 300.035



85, 24.171, 292.472



92, 41.994, 196.856



43, 16.898, 292.853



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, 88.819, 300.035



42, 108.163, 302.738



58, 88.077, 312.139



49, 7.504, 291.461



23, 107.743, 306.309



3, 44.146, 301.915

Inverse Universe

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



68, 90.661, 327.721



64, 103.041, 328.123



93, 80.290, 126.405



50, 9.010, 325.151



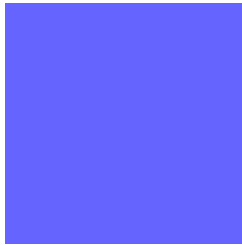
45, 92.528, 328.538



12, 42.598, 328.501

Previews

White Background



This preview shows how the CIELCh color 51, 89.125, 300.055 looks on a white background.

Color Contrast Check

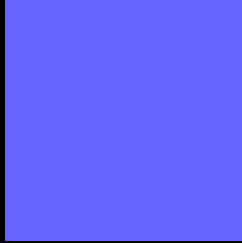
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.125, 300.055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

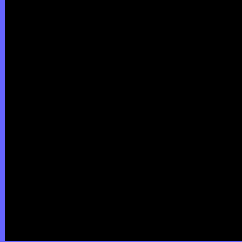
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 89.125, 300.055

Background



This preview shows how black text looks on a background with the CIELCh color 51, 89.125, 300.055.

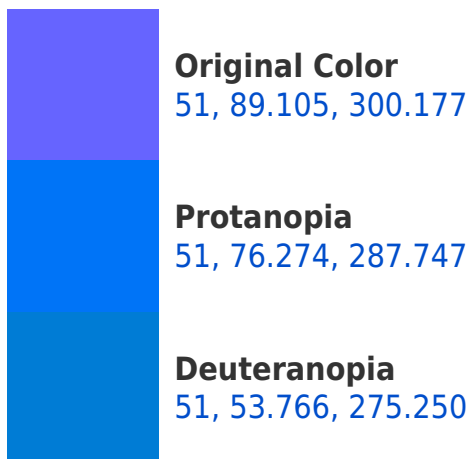


This preview shows how white text looks on a background with the CIELCh color 51, 89.125, 300.055.

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, 24.964, 212.194

Trichromacy



Original Color
51, 89.105, 300.177

Protanomaly
50, 81.325, 291.350

Deuteranomaly
50, 66.341, 285.863

Tritanomaly
50, 38.547, 273.349

Monochromacy



Original Color
51, 89.105, 300.177

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, 89.125, 300.055 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(102, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 100, 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(102, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 100, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 89.125, 300.055 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(102, 100, 255) }
```

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

```
.border{ border-color:rgb(102, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 100,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 89.125, 300.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 100, 255) }
```

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

```
.background{ background-color: rgb(102,  
100, 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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