

# Converting Colors

CIELCh(52, 89.205, 305.111)

Have a look what the booklet for  
CIELCh(52, 89.205, 305.111)  
contains.

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**Color**

**CIELCh(52, 88.827, 305.068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8460FB
RGB	132, 96, 251
RGB Percent	52%, 38%, 98%
CMY	0.4836, 0.6246, 0.0169
CMYK	0.47, 0.62, 0.00, 0.02
HSL	254°, 95%, 68%
HSV	254°, 62%, 98%
XYZ	30.9906, 20.1443, 93.2706
YIQ	124.4340, -28.2990, 55.8370

# Conversions

## Conversions Part 2

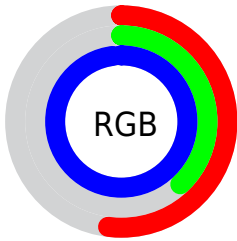
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 96, 251
Decimal	8675579
CIE <sub>Lab</sub>	52.00, 51.04, -72.70
CIE <sub>LCh</sub>	52, 88.827, 305.068
Yxy	20.1443, 0.2146, 0.1395
Android (android.graphics.Color)	4286865659 (0xFF8460FB)
YUV	124.4340, 62.3970, 6.6354
Hunter-Lab	44.8824, 44.7070, -91.7934

# Details

The CIELCh color **52, 88.827, 305.068** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 75.607, 115.539**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 60.307, 308.390**, and **32, 88.460, 305.001** is the 20% darker color. If you saturate the color by 10%, you get **45, 103.341, 306.166**, and if you desaturate by 10%, it is **59, 73.674, 303.909**.

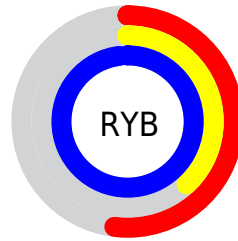
# Distribution



Red (52%)

Green (38%)

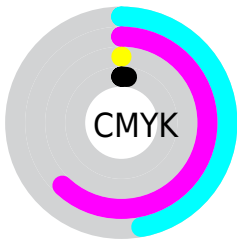
Blue (98%)



Red (52%)

Yellow (38%)

Blue (98%)

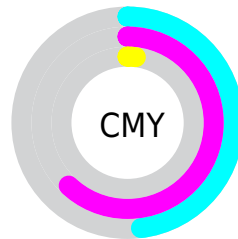


Cyan (47%)

Magenta (62%)

Yellow (0%)

Black (2%)



Cyan (48%)

Magenta (62%)


Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 88.827, 305.068 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 52, 88.827, 305.068 by changing the saturation by 10% instead.





 52, 88.827,  
305.068

 52, 88.827,  
305.068


 100, 88.827,  
305.068


 42, 88.827,  
305.068


 72, 88.827,  
305.068

 32, 88.827,  
305.068

 82, 88.827,  
305.068

 22, 88.827,  
305.068

 92, 88.827,  
305.068

 12, 88.827,  
305.068

 2, 88.827, 305.068

 0, 88.827, 305.068

52, 88.827,  
305.068

52, 88.827,  
305.068

45, 103.341,  
306.166

59, 73.674,  
303.909

40, 116.042,  
307.031

67, 58.545,  
302.789

36, 125.308,  
307.444

74, 43.759,  
301.760

34, 129.820,  
307.413

82, 29.447,  
300.842

89, 15.649,  
300.036

97, 2.364, 299.327

100, 2.171,  
109.980

# Harmonies

# Complementary

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



52, 88.827, 305.068



93, 75.607, 115.539

# Rectangle

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



52, 88.827, 305.068



52, 88.827, 355.068



52, 88.827, 125.068



52, 88.827, 175.068

# Sweetspot

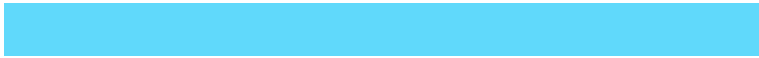
The Sweet Spot groups the original color and five complimentary colors.



52, 88.827, 305.069



85, 25.872, 300.606



81, 35.914, 227.613



43, 17.902, 300.848



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



52, 88.827, 305.069



45, 107.800, 306.389



60, 89.096, 318.668



48, 7.481, 299.865



24, 104.674, 307.540



4, 42.649, 305.638





# Inverse Universe

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



65, 78.154, 336.200



62, 89.152, 337.338



89, 85.797, 133.038



49, 7.579, 332.256



42, 77.073, 340.193

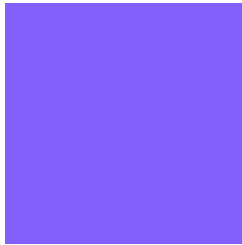


11, 35.623, 338.345



# Previews

## White Background



This preview shows how the CIELCh color 52, 88.827, 305.068 looks on a white background.

## Color Contrast Check

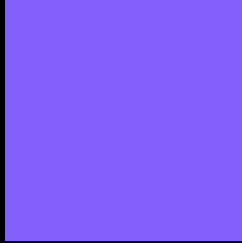
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 52, 88.827, 305.068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

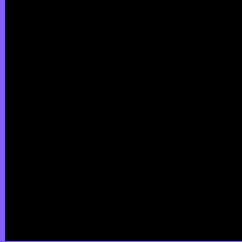
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 52, 88.827, 305.068

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 88.827, 305.068.



This preview shows how white text looks on a background with the CIELCh color 52, 88.827, 305.068.

# 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**  
52, 11.211, 229.962



# Trichromacy



**Original Color**  
52, 88.827, 305.068



**Protanomaly**  
51, 81.650, 291.952



**Deuteranomaly**  
50, 67.796, 287.353



**Tritanomaly**  
51, 36.728, 292.708

# Monochromacy



**Original Color**  
52, 88.827, 305.068



**Achromatopsia**  
52, 0.007, 296.813



**Achromatomaly**  
51, 33.066, 301.796

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 88.827, 305.068 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(132, 96, 251)` looks like.

```
.text, #text, p{  
    color:rgb(132, 96, 251)  
}
```

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(132, 96, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 96, 251) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 88.827, 305.068 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(132, 96, 251) }
```

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

```
.border{ border-color:rgb(132, 96, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 96, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 96, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 96, 251);  
box-shadow:4px 4px 4px 4px rgb(132, 96,  
251) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 88.827, 305.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 96, 251) }
```

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

```
.background{ background-color: rgb(132, 96,  
251) }
```

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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