

# Converting Colors

CIELCh(52, 82.446, 305.824)

Have a look what the booklet for  
CIELCh(52, 82.446, 305.824)  
contains.

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**Color**

**CIELCh(52, 82.446, 305.824)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8861F0
RGB	136, 97, 240
RGB Percent	53%, 38%, 94%
CMY	0.4658, 0.6188, 0.0579
CMYK	0.43, 0.60, 0.00, 0.06
HSL	256°, 83%, 66%
HSV	256°, 60%, 94%
XYZ	30.2456, 20.1443, 84.9106
YIQ	124.9630, -22.6590, 52.7410

# Conversions

## Conversions Part 2

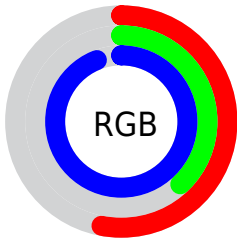
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	136, 97, 240
Decimal	8937968
CIE Lab	52.00, 48.26, -66.85
CIE LCh	52, 82.446, 305.824
Yxy	20.1443, 0.2235, 0.1489
Android (android.graphics.Color)	4287128048 (0xFF8861F0)
YUV	124.9630, 56.7132, 9.6794
Hunter-Lab	44.8824, 41.7442, -80.7497

# Details

The CIELCh color  $52, 82.446, 305.824$  is a light color, and the websafe version is hex  $9966FF$ . A complement of this color would be  $90, 71.325, 117.434$ , and the grayscale version is  $52, 0.007, 296.813$ .

A 20% lighter version of the original color is  $70, 59.845, 309.084$ , and  $32, 82.339, 305.744$  is the 20% darker color. If you saturate the color by 10%, you get  $46, 96.504, 306.793$ , and if you desaturate by 10%, it is  $59, 67.892, 304.805$ .

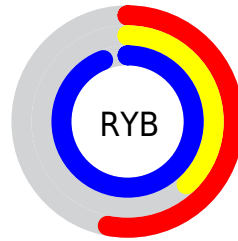
# Distribution



Red (53%)

Green (38%)

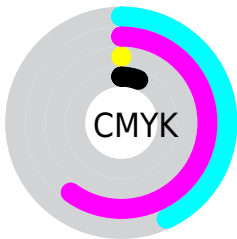
Blue (94%)



Red (53%)

Yellow (38%)

Blue (94%)

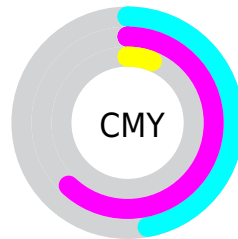


Cyan (43%)

Magenta (60%)

Yellow (0%)

Black (6%)



Cyan (47%)

Magenta (62%)


Yellow (6%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 82.446, 305.824 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, 82.446, 305.824 by changing the saturation by 10% instead.




 52, 82.446,  
305.824


 52, 82.446,  
305.824


 100, 82.446,  
305.824


 42, 82.446,  
305.824


 72, 82.446,  
305.824

 32, 82.446,  
305.824

 82, 82.446,  
305.824

 22, 82.446,  
305.824

 92, 82.446,  
305.824

 12, 82.446,  
305.824

 2, 82.446, 305.824

 0, 82.446, 305.824

52, 82.446,  
305.824

52, 82.446,  
305.824

46, 96.504,  
306.793

59, 67.892,  
304.805

40, 109.092,  
307.569

66, 53.391,  
303.819

36, 118.807,  
307.958

73, 39.214,  
302.910

33, 124.680,  
307.858

81, 25.476,  
302.095

33, 124.915,  
307.854

88, 12.215,  
301.375

95, 0.568, 120.830

100, 7.477,  
109.608

# Harmonies

# Complementary

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



52, 82.446, 305.824



90, 71.325, 117.434

# Rectangle

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



52, 82.446, 305.824



52, 82.446, 355.824



52, 82.446, 125.824



52, 82.446, 175.824

# Sweetspot

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



52, 82.446, 305.825



86, 24.567, 301.982



77, 34.053, 235.179



44, 17.162, 302.206



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, 82.446, 305.825



47, 103.331, 306.943



60, 83.614, 320.167



46, 7.262, 301.371



24, 101.913, 307.995



4, 38.670, 305.248





# Inverse Universe

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



63, 71.460, 337.869



62, 84.786, 339.094



86, 81.447, 134.433



47, 7.113, 333.815



41, 73.423, 342.924

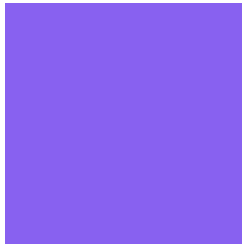


9, 32.907, 340.357



# Previews

## White Background



This preview shows how the CIELCh color 52, 82.446, 305.824 looks on a white background.

## Color Contrast Check

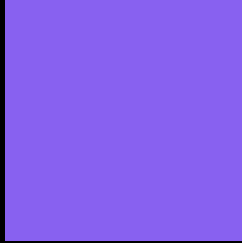
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 82.446, 305.824 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

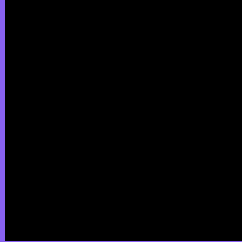
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 52, 82.446, 305.824

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 82.446, 305.824.

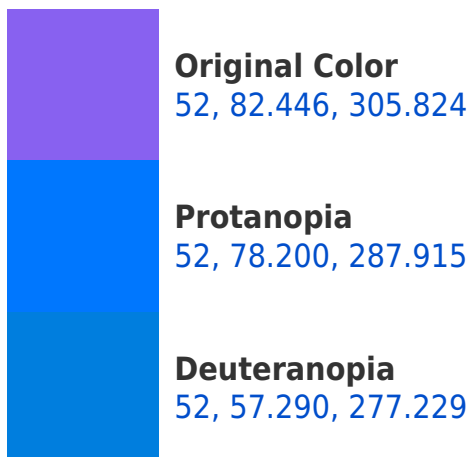


This preview shows how white text looks on a background with the CIELCh color 52, 82.446, 305.824.

# 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, 8.208, 244.232



# Trichromacy



**Original Color**  
52, 82.446, 305.824



**Protanomaly**  
51, 80.001, 291.708



**Deuteranomaly**  
50, 66.070, 286.754



**Tritanomaly**  
51, 33.874, 296.525

# Monochromacy



**Original Color**  
52, 82.446, 305.824



**Achromatopsia**  
52, 0.007, 296.813



**Achromatomaly**  
52, 30.793, 302.862

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 82.446, 305.824 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(136, 97, 240)` looks like.

```
.text, #text, p{  
    color:rgb(136, 97, 240)  
}
```

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(136, 97, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 97, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 82.446, 305.824 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(136, 97, 240) }
```

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

```
.border{ border-color:rgb(136, 97, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 97, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 97, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 97, 240);  
box-shadow:4px 4px 4px 4px rgb(136, 97,  
240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 82.446, 305.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 97, 240) }
```

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

```
.background{ background-color: rgb(136, 97,  
240) }
```

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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