

# Converting Colors

CIELCh(53, 84.861, 311.698)

Have a look what the booklet for  
CIELCh(53, 84.861, 311.698)  
contains.

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**Color**

**CIELCh(53, 84.879, 311.701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A15AED
RGB	161, 90, 237
RGB Percent	63%, 35%, 93%
CMY	0.3681, 0.6466, 0.0701
CMYK	0.32, 0.62, 0.00, 0.07
HSL	269°, 80%, 64%
HSV	269°, 62%, 93%
XYZ	33.6971, 21.0462, 82.5097
YIQ	127.9870, -4.8710, 60.7690

# Conversions

## Conversions Part 2

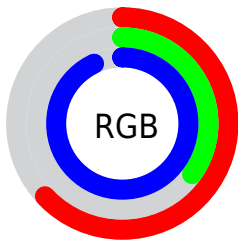
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	161, 90, 237
Decimal	10574573
CIE <sub>Lab</sub>	53.00, 56.47, -63.37
CIE <sub>LCh</sub>	53, 84.879, 311.701
Yxy	21.0462, 0.2455, 0.1533
Android (android.graphics.Color)	4288764653 (0xFFA15AED)
YUV	127.9870, 53.7434, 28.9524
Hunter-Lab	45.8761, 50.8294, -74.5217

# Details

The CIELCh color **53, 84.879, 311.701** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **87, 76.871, 125.777**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.286, 317.220**, and **33, 84.725, 311.597** is the 20% darker color. If you saturate the color by 10%, you get **48, 97.311, 312.044**, and if you desaturate by 10%, it is **59, 71.322, 311.213**.

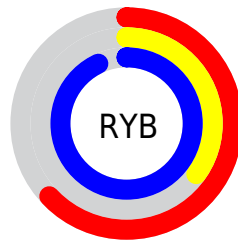
# Distribution



Red (63%)

Green (35%)

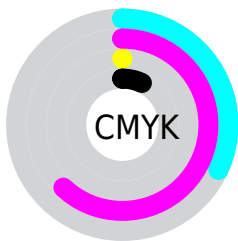
Blue (93%)



Red (63%)

Yellow (35%)

Blue (93%)

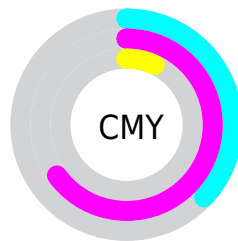


Cyan (32%)

Magenta (62%)

Yellow (0%)

Black (7%)



Cyan (37%)

Magenta (65%)


Yellow (7%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 84.879, 311.701 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 53, 84.879, 311.701 by changing the saturation by 10% instead.





 53, 84.879,  
311.701


 53, 84.879,  
311.701


 100, 84.879,  
311.701


 43, 84.879,  
311.701


 73, 84.879,  
311.701

 33, 84.879,  
311.701

 83, 84.879,  
311.701

 23, 84.879,  
311.701

 93, 84.879,  
311.701

 13, 84.879,  
311.701

 3, 84.879, 311.701

 0, 84.879, 311.701

53, 84.879,  
311.701

53, 84.879,  
311.701

48, 97.311,  
312.044

59, 71.322,  
311.213

43, 107.708,  
312.131

65, 57.299,  
310.658

39, 115.078,  
311.840

72, 43.226,  
310.090

37, 118.748,  
311.341

79, 29.342,  
309.539

86, 15.777,  
309.022

92, 2.593, 308.513

99, 9.528, 127.016

100, 9.044,  
109.492



# Harmonies

# Complementary

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



53, 84.879, 311.701



87, 76.871, 125.777

# Rectangle

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



53, 84.879, 311.701



53, 84.879, 1.701



53, 84.879, 131.701



53, 84.879, 181.701

# Sweetspot

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



53, 84.878, 311.701



86, 26.777, 309.384



67, 41.740, 264.944



44, 18.502, 309.537



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



53, 84.878, 311.701



50, 105.562, 312.091



62, 87.169, 326.485



46, 7.380, 308.897



28, 96.828, 311.535



4, 37.591, 311.043



# Inverse Universe

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



60, 64.635, 350.016



60, 77.393, 352.629



84, 87.913, 138.404



46, 6.028, 343.488



39, 65.749, 0.333

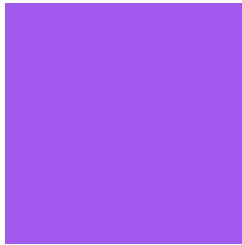


8, 28.776, 353.934



# Previews

## White Background



This preview shows how the CIELCh color 53, 84.879, 311.701 looks on a white background.

## Color Contrast Check

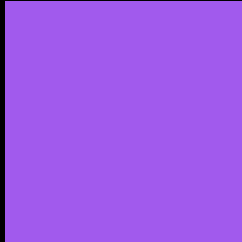
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 84.879, 311.701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

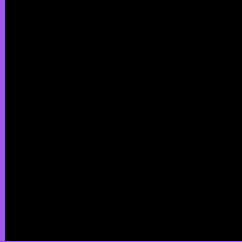
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 53, 84.879, 311.701**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 53, 84.879, 311.701.

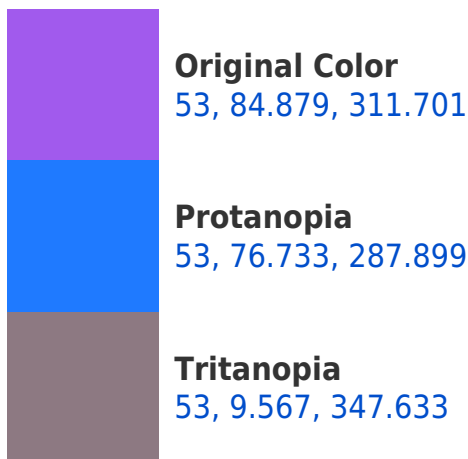


This preview shows how white text looks on a background with the CIELCh color 53, 84.879, 311.701.

# 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





## Trichromacy



**Original Color**  
53, 84.879, 311.701



**Protanomaly**  
51, 80.163, 294.557



**Tritanomaly**  
52, 36.822, 315.426

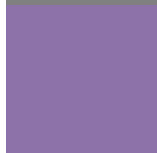
## Monochromacy



**Original Color**  
53, 84.879, 311.701



**Achromatopsia**  
54, 0.007, 296.813



**Achromatomaly**  
52, 32.782, 310.005

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 84.879, 311.701 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(161, 90, 237)` looks like.

```
.text, #text, p{  
    color:rgb(161, 90, 237)  
}
```

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(161, 90, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 90, 237) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 84.879, 311.701 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(161, 90, 237) }
```

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

```
.border{ border-color:rgb(161, 90, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 90, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 90, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 90, 237);  
box-shadow:4px 4px 4px 4px rgb(161, 90,  
237) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 84.879, 311.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 90, 237) }
```

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

```
.background{ background-color: rgb(161, 90,  
237) }
```

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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