

# Converting Colors

CIELCh(53, 92.412, 308.738)

Have a look what the booklet for  
CIELCh(53, 92.412, 308.738)  
contains.

<b>CIELCh(53, 92.412, 308.738)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	25

**Color**

**CIELCh(53, 92.412, 308.738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	975BFD
RGB	151, 91, 253
RGB Percent	59%, 36%, 99%
CMY	0.4092, 0.6443, 0.0092
CMYK	0.40, 0.64, 0.00, 0.01
HSL	262°, 97%, 67%
HSV	262°, 64%, 99%
XYZ	34.0879, 21.0462, 94.9073
YIQ	127.4080, -16.2420, 63.1020

# Conversions

## Conversions Part 2

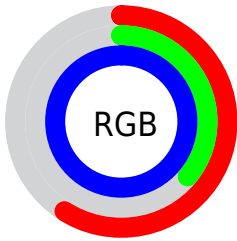
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	151, 91, 253
Decimal	9919485
CIE Lab	53.00, 57.83, -72.08
CIE LCh	53, 92.412, 308.738
Yxy	21.0462, 0.2272, 0.1403
Android (android.graphics.Color)	4288109565 (0xFF975BFD)
YUV	127.4080, 61.9169, 20.6902
Hunter-Lab	45.8761, 52.3497, -90.5443

# Details

The CIELCh color **53, 92.412, 308.738** 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 **93, 80.733, 121.425**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 63.957, 314.561**, and **33, 92.110, 308.713** is the 20% darker color. If you saturate the color by 10%, you get **47, 105.872, 309.312**, and if you desaturate by 10%, it is **60, 77.818, 308.021**.

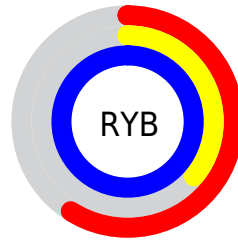
# Distribution



Red (59%)

Green (36%)

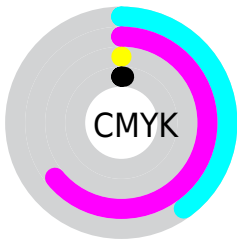
Blue (99%)



Red (59%)

Yellow (36%)

Blue (99%)

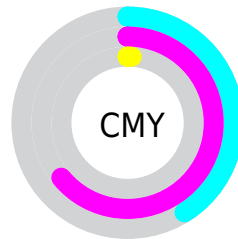


Cyan (40%)

Magenta (64%)

Yellow (0%)

Black (1%)



Cyan (41%)

Magenta (64%)


Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 92.412, 308.738 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, 92.412, 308.738 by changing the saturation by 10% instead.




 53, 92.412,  
308.738


 53, 92.412,  
308.738


 100, 92.412,  
308.738


 43, 92.412,  
308.738


 73, 92.412,  
308.738

 33, 92.412,  
308.738

 83, 92.412,  
308.738

 23, 92.412,  
308.738

 93, 92.412,  
308.738

 13, 92.412,  
308.738

 3, 92.412, 308.738

 0, 92.412, 308.738

53, 92.412,  
308.738

53, 92.412,  
308.738

47, 105.872,  
309.312

60, 77.818,  
308.021

42, 117.063,  
309.598

67, 62.857,  
307.259

38, 124.707,  
309.437

74, 47.969,  
306.514

37, 127.600,  
309.161

81, 33.386,  
305.817

89, 19.217,  
305.183

96, 5.503, 304.608

100, 1.177,  
110.024

# Harmonies

# Complementary

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



53, 92.412, 308.738



93, 80.733, 121.425

# Rectangle

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



53, 92.412, 308.738



53, 92.412, 358.738



53, 92.412, 128.738



53, 92.412, 178.738

# Sweetspot

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



53, 92.411, 308.739



86, 26.297, 305.486



75, 39.984, 252.290



44, 18.183, 305.670



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, 92.411, 308.739



46, 110.219, 309.433



63, 93.237, 323.391



49, 7.747, 304.913



27, 103.284, 309.332



5, 44.864, 309.425





# Inverse Universe

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



63, 74.073, 343.501



60, 83.524, 345.585



89, 92.727, 136.363



50, 6.982, 337.938



42, 71.365, 350.454

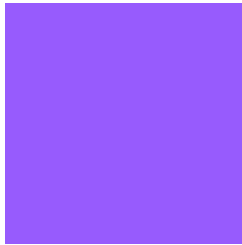


11, 33.651, 346.884



# Previews

## White Background



This preview shows how the CIELCh color 53, 92.412, 308.738 looks on a white background.

## Color Contrast Check

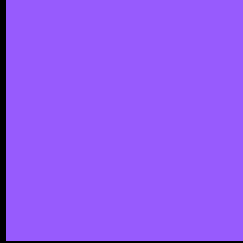
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.412, 308.738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

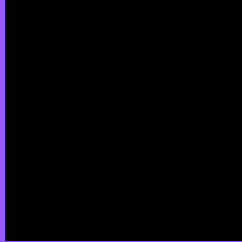
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 92.412, 308.738

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 92.412, 308.738.

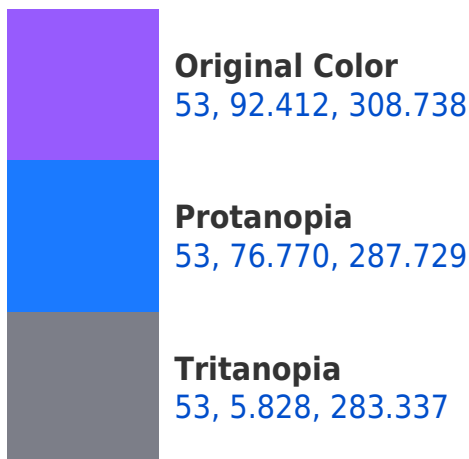


This preview shows how white text looks on a background with the CIELCh color 53, 92.412, 308.738.

# 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, 92.412, 308.738



**Protanomaly**  
52, 82.356, 294.133



**Tritanomaly**  
52, 38.564, 305.099

# Monochromacy



**Original Color**  
53, 92.412, 308.738



**Achromatopsia**  
53, 0.007, 296.813



**Achromatomaly**  
52, 35.231, 306.544



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 92.412, 308.738 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(151, 91, 253)` looks like.

```
.text, #text, p{  
    color:rgb(151, 91, 253)  
}
```

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(151, 91, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 91, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 92.412, 308.738 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(151, 91, 253) }
```

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

```
.border{ border-color:rgb(151, 91, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 91, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 91, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 91, 253);  
box-shadow:4px 4px 4px 4px rgb(151, 91,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 92.412, 308.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 91, 253) }
```

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

```
.background{ background-color: rgb(151, 91,  
253) }
```

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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