

# Converting Colors

CIELCh(54, 86.554, 318.780)

Have a look what the booklet for  
CIELCh(54, 86.554, 318.780)  
contains.

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**Color**

**CIELCh(54, 86.549, 318.761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB50E5
RGB	187, 80, 229
RGB Percent	73%, 31%, 90%
CMY	0.2665, 0.6861, 0.1018
CMYK	0.18, 0.65, 0.00, 0.10
HSL	283°, 74%, 61%
HSV	283°, 65%, 90%
XYZ	37.5265, 21.9746, 76.4270
YIQ	128.9790, 15.9430, 69.0230

# Conversions

## Conversions Part 2

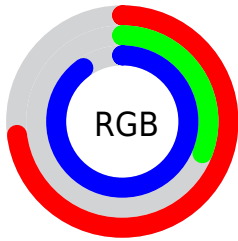
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 80, 229
Decimal	12275941
CIE Lab	54.00, 65.08, -57.05
CIE LCh	54, 86.549, 318.761
Yxy	21.9746, 0.2761, 0.1617
Android (android.graphics.Color)	4290466021 (0xFFBB50E5)
YUV	128.9790, 49.3104, 50.8844
Hunter-Lab	46.8770, 60.8599, -63.8508

# Details

The CIELCh color **54, 86.549, 318.761** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **82, 83.324, 132.957**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 71.972, 324.640**, and **34, 86.695, 318.790** is the 20% darker color. If you saturate the color by 10%, you get **50, 96.597, 318.805**, and if you desaturate by 10%, it is **59, 74.671, 318.544**.

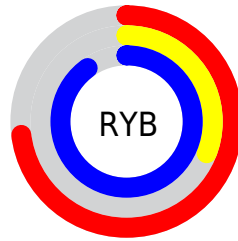
# Distribution



Red (73%)

Green (31%)

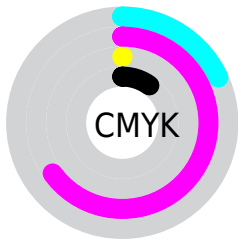
Blue (90%)



Red (73%)

Yellow (31%)

Blue (90%)

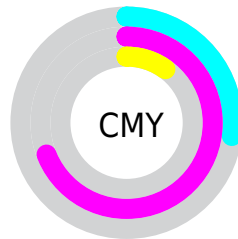


Cyan (18%)

Magenta (65%)

Yellow (0%)

Black (10%)



Cyan (27%)

Magenta (69%)


Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 86.549, 318.761 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 54, 86.549, 318.761 by changing the saturation by 10% instead.





 54, 86.549,  
318.761


 54, 86.549,  
318.761


 100, 86.549,  
318.761


 44, 86.549,  
318.761


 74, 86.549,  
318.761

 34, 86.549,  
318.761

 84, 86.549,  
318.761

 24, 86.549,  
318.761

 94, 86.549,  
318.761

 14, 86.549,  
318.761

 4, 86.549, 318.761

 0, 86.549, 318.761

54, 86.549,  
318.761

54, 86.549,  
318.761

50, 96.597,  
318.805

59, 74.671,  
318.544

47, 104.127,  
318.613

64, 61.645,  
318.212

45, 108.677,  
318.131

70, 48.012,  
317.812

44, 110.127,  
317.817

76, 34.165,  
317.379

82, 20.363,  
316.936

88, 6.767, 316.486

94, 6.528, 136.137

98, 14.462,  
132.993

■ 99, 13.652,  
124.235

# Harmonies

# Complementary

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



54, 86.549, 318.761



82, 83.324, 132.957

# Rectangle

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



54, 86.549, 318.761



54, 86.549, 8.761



54, 86.549, 138.761



54, 86.549, 188.761

# Sweetspot

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



54, 86.547, 318.761



87, 29.650, 317.161



53, 61.696, 288.096



44, 20.272, 317.286



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



54, 86.547, 318.761



54, 107.889, 318.769



58, 76.269, 335.760



45, 7.654, 316.687



34, 91.314, 317.965



6, 36.820, 318.754



# Inverse Universe

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



56, 61.297, 7.921



57, 77.177, 12.711



81, 77.805, 144.454



45, 5.150, 358.073



37, 67.645, 22.573



7, 26.646, 9.489



# Previews

## White Background



This preview shows how the CIELCh color 54, 86.549, 318.761 looks on a white background.

## Color Contrast Check

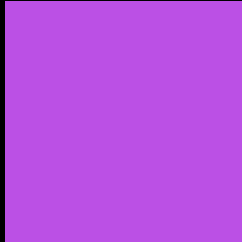
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 86.549, 318.761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

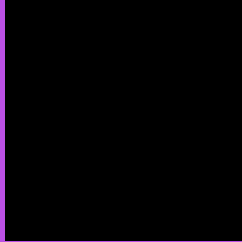
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 54, 86.549, 318.761**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 86.549, 318.761.

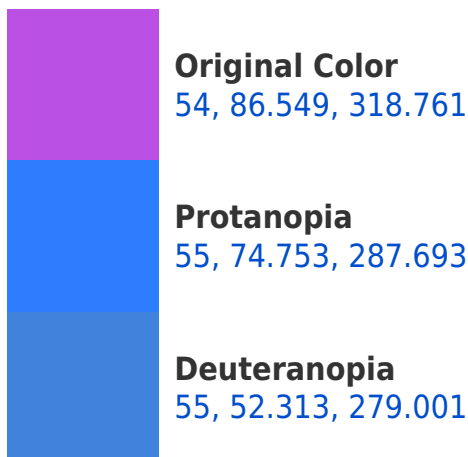


This preview shows how white text looks on a background with the CIELCh color 54, 86.549, 318.761.

# 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**  
54, 24.577, 11.827

# Trichromacy



**Original Color**  
54, 86.549, 318.761



**Protanomaly**  
52, 78.820, 296.990



**Deuteranomaly**  
52, 64.145, 296.808



**Tritanomaly**  
53, 43.310, 334.250

# Monochromacy



**Original Color**  
54, 86.549, 318.761



**Achromatopsia**  
54, 0.007, 296.813



**Achromatomaly**  
52, 34.331, 317.811

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 86.549, 318.761 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(187, 80, 229)` looks like.

```
.text, #text, p{  
    color:rgb(187, 80, 229)  
}
```

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(187, 80, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 80, 229) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 86.549, 318.761 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(187, 80, 229) }
```

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

```
.border{ border-color:rgb(187, 80, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 80, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 80, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 80, 229);  
box-shadow:4px 4px 4px 4px rgb(187, 80,  
229) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 86.549, 318.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 80, 229) }
```

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

```
.background{ background-color: rgb(187, 80,  
229) }
```

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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