

# Converting Colors

CIELCh(54, 68.674, 330.729)

Have a look what the booklet for  
CIELCh(54, 68.674, 330.729)  
contains.

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**Color**

**CIELCh(54, 68.660, 330.718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C852BC
RGB	200, 82, 188
RGB Percent	78%, 32%, 74%
CMY	0.2153, 0.6781, 0.2624
CMYK	0.00, 0.59, 0.06, 0.22
HSL	306°, 52%, 55%
HSV	306°, 59%, 78%
XYZ	35.9545, 21.9746, 49.9724
YIQ	129.3660, 36.3020, 57.9820

# Conversions

## Conversions Part 2

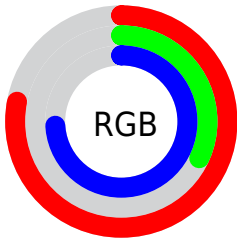
Format	Color
R <sub>YB</sub>	200, 82, 188
Decimal	13128380
CIE <sub>Lab</sub>	54.00, 59.89, -33.58
CIE <sub>LCh</sub>	54, 68.660, 330.718
Yxy	21.9746, 0.3332, 0.2037
Android (android.graphics.Color)	4291318460 (0xFFC852BC)
YUV	129.3660, 28.9066, 61.9460
Hunter-Lab	46.8770, 54.8740, -30.3911

# Details

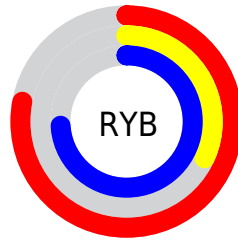
The CIELCh color **54, 68.660, 330.718** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **72, 69.601, 141.967**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 68.480, 329.486**, and **34, 68.508, 330.814** is the 20% darker color. If you saturate the color by 10%, you get **51, 77.040, 331.246**, and if you desaturate by 10%, it is **58, 58.605, 330.165**.

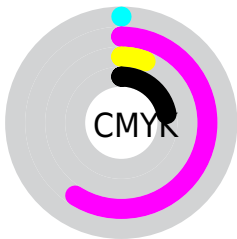
# Distribution



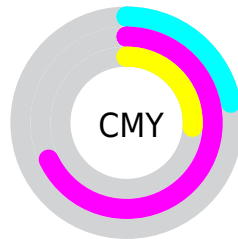
- Red (78%)
- Green (32%)
- Blue (74%)



- Red (78%)
- Yellow (32%)
- Blue (74%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (22%)



- Cyan (22%)
- Magenta (68%)
- Yellow (26%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 68.660, 330.718 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, 68.660, 330.718 by changing the saturation by 10% instead.



 54, 68.660,  
330.718

 54, 68.660,  
330.718


 100, 68.660,  
330.718

 44, 68.660,  
330.718

 74, 68.660,  
330.718

 34, 68.660,  
330.718

 84, 68.660,  
330.718

 24, 68.660,  
330.718

 94, 68.660,  
330.718

 14, 68.660,  
330.718

 4, 68.660, 330.718

 0, 68.660, 330.718

54, 68.660,  
330.718

54, 68.660,  
330.718

51, 77.040,  
331.246

58, 58.605,  
330.165

49, 83.286,  
331.750

62, 47.394,  
329.591

47, 87.109,  
332.238

66, 35.485,  
329.005

46, 88.727,  
332.725

71, 23.244,  
328.412

46, 88.854,  
332.775

76, 10.944,  
327.815

81, 1.234, 147.498

86, 13.171,  
146.736

92, 24.802,  
146.193

■ 95, 31.782,  
146.260

# Harmonies

# Complementary

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



54, 68.660, 330.718



72, 69.601, 141.967

# Rectangle

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



54, 68.660, 330.718



54, 68.660, 20.718



54, 68.660, 150.718



54, 68.660, 200.718

# Sweetspot

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



54, 68.657, 330.718



89, 26.846, 328.370



42, 70.535, 301.481



46, 18.666, 328.545



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, 68.657, 330.718



64, 95.050, 331.402



52, 51.600, 357.290



39, 6.885, 327.840



38, 76.468, 332.701



4, 24.491, 330.643



# Inverse Universe

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



54, 68.657, 330.718



64, 95.050, 331.402



73, 46.456, 162.665



39, 6.885, 327.840



38, 76.468, 332.701



4, 24.491, 330.643



# Previews

## White Background



This preview shows how the CIELCh color 54, 68.660, 330.718 looks on a white background.

## Color Contrast Check

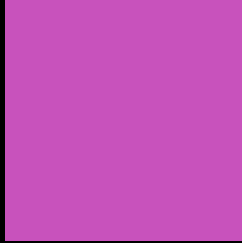
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 68.660, 330.718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

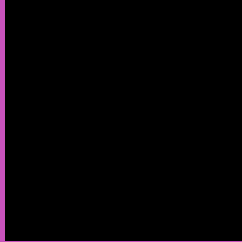
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 54, 68.660, 330.718

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 68.660, 330.718.

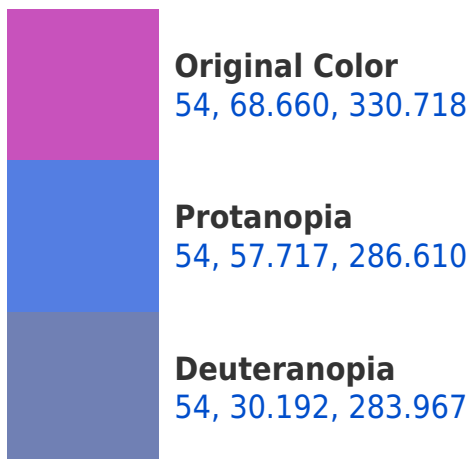


This preview shows how white text looks on a background with the CIELCh color 54, 68.660, 330.718.

# 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, 37.732, 18.442

# Trichromacy



**Original Color**  
54, 68.660, 330.718



**Protanomaly**  
52, 59.266, 301.296



**Deuteranomaly**  
53, 43.240, 309.675



**Tritanomaly**  
53, 44.723, 353.356

# Monochromacy



**Original Color**  
54, 68.660, 330.718



**Achromatopsia**  
54, 0.007, 296.813



**Achromatomaly**  
53, 27.335, 329.367

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 68.660, 330.718 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(200, 82, 188)` looks like.

```
.text, #text, p{  
    color:rgb(200, 82, 188)  
}
```

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(200, 82, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 82, 188) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 68.660, 330.718 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(200, 82, 188) }
```

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

```
.border{ border-color:rgb(200, 82, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 82, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 82, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 82, 188);  
box-shadow:4px 4px 4px 4px rgb(200, 82,  
188) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 68.660, 330.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 82, 188) }
```

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

```
.background{ background-color: rgb(200, 82,  
188) }
```

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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