

# Converting Colors

CIELCh(54, 84.589, 9.937)

Have a look what the booklet for  
CIELCh(54, 84.589, 9.937) contains.

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**Color**

**CIELCh(54, 84.378, 10.317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD006C
RGB	253, 0, 108
RGB Percent	99%, 0%, 42%
CMY	0.0063, 1.0000, 0.5783
CMYK	0.00, 1.00, 0.58, 0.01
HSL	335°, 100%, 50%
HSV	335°, 100%, 99%
XYZ	43.3035, 21.9746, 16.0174
YIQ	87.9590, 116.1200, 87.2240

# Conversions

## Conversions Part 2

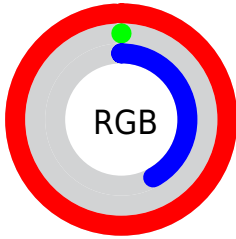
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 0, 108
Decimal	16580716
CIE <sub>Lab</sub>	54.00, 83.01, 15.11
CIE <sub>LCh</sub>	54, 84.378, 10.317
Yxy	21.9746, 0.5327, 0.2703
Android (android.graphics.Color)	4294770796 (0xFFFD006C)
YUV	87.9590, 9.8802, 144.7410
Hunter-Lab	46.8770, 82.8579, 12.5552

# Details

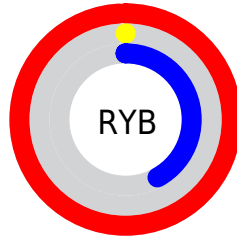
The CIELCh color **54, 84.378, 10.317** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **88, 82.413, 152.795**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 64.836, 358.917**, and **40, 69.327, 19.128** is the 20% darker color. If you saturate the color by 10%, you get **54, 84.230, 10.389**, and if you desaturate by 10%, it is **55, 82.032, 5.547**.

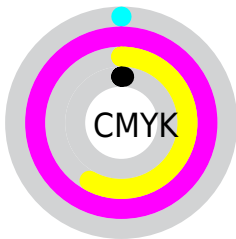
# Distribution



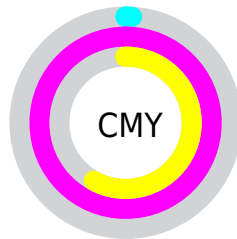
- Red (99%)
- Green (0%)
- Blue (42%)



- Red (99%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 84.378, 10.317 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, 84.378, 10.317 by changing the saturation by 10% instead.



 54, 84.378, 10.317

 54, 84.378, 10.317

 100, 84.378,  
10.317

 44, 84.378, 10.317

 74, 84.378, 10.317

 34, 84.378, 10.317

 84, 84.378, 10.317

 24, 84.378, 10.317

 94, 84.378, 10.317

 14, 84.378, 10.317

 4, 84.378, 10.317

 0, 84.378, 10.317

 54, 84.378, 10.317

 54, 84.378, 10.317

 54, 84.230, 10.389

 55, 82.032, 5.547

 57, 78.112, 1.564

60, 71.977,  
358.427

64, 63.842,  
355.957

69, 54.213,  
353.981

74, 43.656,  
352.364

80, 32.656,  
351.005

86, 21.573,  
349.834

93, 10.644,  
348.793

# Harmonies

# Complementary

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



54, 84.378, 10.317



88, 82.413, 152.795

# Rectangle

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



54, 84.378, 10.317



54, 84.378, 60.317



54, 84.378, 190.317



54, 84.378, 240.317

# Sweetspot

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



54, 84.230, 10.389



81, 32.825, 351.006



43, 122.639, 313.303



40, 22.441, 351.553



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, 84.230, 10.389



54, 84.640, 10.408



53, 103.213, 40.512



50, 6.078, 348.743



41, 68.094, 9.432



10, 31.368, 2.725





# Inverse Universe

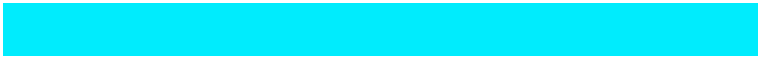
The Inverse Universe completely reimagines the original color for something new.



54, 84.230, 10.389



54, 84.640, 10.408



86, 45.734, 207.968



50, 6.078, 348.743



41, 68.094, 9.432



10, 31.368, 2.725



# Previews

## White Background



This preview shows how the CIELCh color 54, 84.378, 10.317 looks on a white background.

## Color Contrast Check

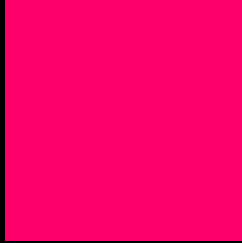
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.378, 10.317 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, 84.378, 10.317**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 84.378, 10.317.

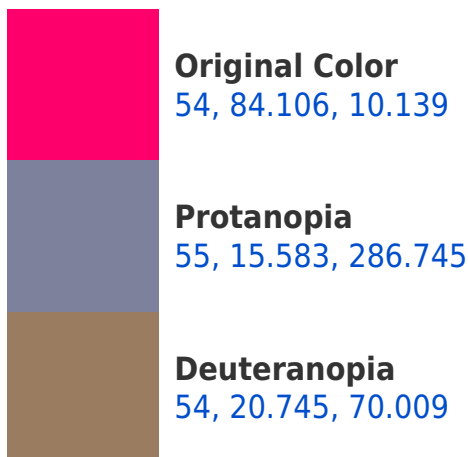


This preview shows how white text looks on a background with the CIELCh color 54, 84.378, 10.317.

# 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, 91.595, 35.797



# Trichromacy



**Original Color**  
54, 84.106, 10.139



**Protanomaly**  
48, 45.894, 342.227



**Deuteranomaly**  
49, 47.281, 12.738

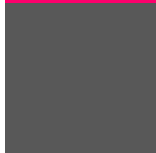


**Tritanomaly**  
54, 87.844, 27.258

# Monochromacy



**Original Color**  
54, 84.106, 10.139



**Achromatopsia**  
37, 0.005, 296.813



**Achromatomaly**  
38, 42.707, 355.975

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 84.378, 10.317 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(253, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 108)  
}
```

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(253, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 84.378, 10.317 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(253, 0, 108) }
```

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

```
.border{ border-color:rgb(253, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(253, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(253, 0,  
108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 84.378, 10.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 108) }
```

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

```
.background{ background-color: rgb(253, 0,  
108) }
```

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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