

# Converting Colors

CIELCh(54, 85.063, 33.652)

Have a look what the booklet for  
CIELCh(54, 85.063, 33.652) contains.

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# Color

**CIELCh(54, 85.290, 33.611)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F53334
RGB	245, 51, 52
RGB Percent	96%, 20%, 20%
CMY	0.0400, 0.8008, 0.7966
CMYK	0.00, 0.79, 0.79, 0.04
HSL	360°, 90%, 58%
HSV	360°, 79%, 96%
XYZ	39.3821, 21.9746, 5.3992
YIQ	109.1200, 115.3030, 41.4390

# Conversions

## Conversions Part 2

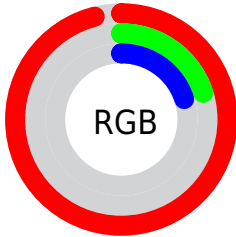
Format	Color
R <sub>Y</sub> B	245, 51, 52
Decimal	16069428
CIE Lab	54.00, 71.03, 47.21
CIE LCh	54, 85.290, 33.611
Yxy	21.9746, 0.5899, 0.3292
Android (android.graphics.Color)	4294259508 (0xFFFF53334)
YUV	109.1200, -28.1602, 119.1668
Hunter-Lab	46.8770, 67.9256, 25.9850

# Details

The CIELCh color **54, 85.290, 33.611** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **88, 46.463, 195.812**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.599, 33.403**, and **37, 78.798, 38.398** is the 20% darker color. If you saturate the color by 10%, you get **52, 94.715, 37.187**, and if you desaturate by 10%, it is **57, 74.251, 30.068**.

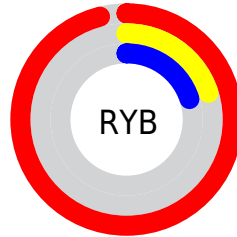
# Distribution



Red (96%)

Green (20%)

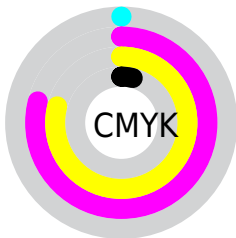
Blue (20%)



Red (96%)

Yellow (20%)

Blue (20%)

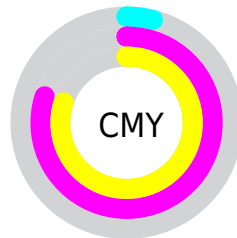


Cyan (0%)

Magenta (79%)

Yellow (79%)

Black (4%)



Cyan (4%)

Magenta (80%)

Yellow (80%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 85.290, 33.611 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, 85.290, 33.611 by changing the saturation by 10% instead.



 54, 85.290, 33.611

 54, 85.290, 33.611

 100, 85.290,  
33.611

 44, 85.290, 33.611

 74, 85.290, 33.611

 34, 85.290, 33.611

 84, 85.290, 33.611

 24, 85.290, 33.611

 94, 85.290, 33.611

 14, 85.290, 33.611

 4, 85.290, 33.611


 0, 85.290, 33.611

 54, 85.290, 33.611

 54, 85.290, 33.611

 52, 94.715, 37.187

 57, 74.251, 30.068

 51, 100.776,

 61, 62.570, 27.061

39.679

66, 50.772, 24.677

51, 101.169,  
39.839

72, 39.234, 22.838

78, 28.220, 21.430

84, 17.876, 20.345

90, 8.257, 19.477

97, 0.644, 199.907

99, 3.522, 199.370

# Harmonies

# Complementary

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



54, 85.290, 33.611



88, 46.463, 195.812

# Rectangle

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



54, 85.290, 33.611



54, 85.290, 83.611



54, 85.290, 213.611



54, 85.290, 263.611

# Sweetspot

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



54, 85.287, 33.613



84, 23.471, 20.832



60, 104.773, 327.440



42, 16.344, 21.235



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, 85.287, 33.613



54, 101.858, 38.852



69, 69.836, 63.416



48, 5.079, 19.496



39, 82.293, 39.774



8, 30.989, 24.789





# Inverse Universe

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



54, 85.287, 33.613



54, 101.858, 38.852



61, 55.058, 273.726



48, 5.079, 19.496



39, 82.293, 39.774



8, 30.989, 24.789



# Previews

## White Background



This preview shows how the CIELCh color 54, 85.290, 33.611 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, 85.290, 33.611 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, 85.290, 33.611**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 85.290, 33.611.



This preview shows how white text looks on a background with the CIELCh color 54, 85.290, 33.611.

# 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



### Original Color

54, 85.290, 33.611

### Protanopia

54, 32.020, 96.388

### Deuteranopia

54, 51.002, 81.971



**Tritanopia**  
54, 85.554, 33.911



# Trichromacy



**Original Color**  
54, 85.290, 33.611

**Protanomaly**  
51, 43.532, 49.706

**Deuteranomaly**  
52, 58.550, 53.611

**Tritanomaly**  
54, 85.554, 33.911

# Monochromacy



**Original Color**  
54, 85.290, 33.611

**Achromatopsia**  
46, 0.006, 296.813

**Achromatomaly**  
46, 31.450, 23.874

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 85.290, 33.611 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(245, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(245, 51, 52)  
}
```

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(245, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 51, 52) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 85.290, 33.611 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(245, 51, 52) }
```

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

```
.border{ border-color:rgb(245, 51, 52) }
```

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

Here you see how a box with a 4 pixel rgb(245, 51, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(245, 51,  
52) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 85.290, 33.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 51, 52) }
```

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

```
.background{ background-color: rgb(245, 51,  
52) }
```

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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