

Converting Colors

CIELCh(54, 85.437, 33.436)

Have a look what the booklet for
CIELCh(54, 85.437, 33.436) contains.

CIELCh(54, 85.455, 33.462)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 85.455, 33.462)

Conversions

Conversions Part 1

Format	Color
Hex	F53234
RGB	245, 50, 52
RGB Percent	96%, 20%, 20%
CMY	0.0388, 0.8033, 0.7958
CMYK	0.00, 0.80, 0.79, 0.04
HSL	359°, 91%, 58%
HSV	359°, 80%, 96%
XYZ	39.4646, 21.9746, 5.4199
YIQ	108.5330, 115.5780, 41.9620

Conversions

Conversions Part 2

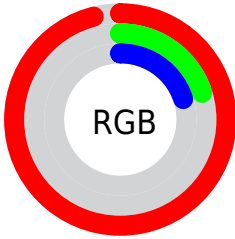
Format	Color
R_{YB}	245, 50, 52
Decimal	16069172
CIE _{Lab}	54.00, 71.29, 47.12
CIE _{LCh}	54, 85.455, 33.462
Yxy	21.9746, 0.5903, 0.3287
Android (android.graphics.Color)	4294259252 (0xFFFF53234)
YUV	108.5330, -27.8708, 119.6816
Hunter-Lab	46.8770, 68.2399, 25.9588

Details

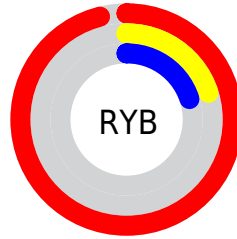
The CIELCh color **54, 85.455, 33.462** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **88, 46.691, 195.239**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 62.864, 32.998**, and **37, 78.454, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **52, 94.814, 37.087**, and if you desaturate by 10%, it is **57, 74.486, 29.878**.

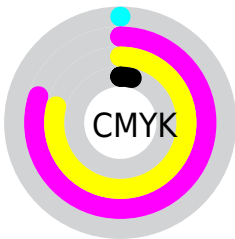
Distribution



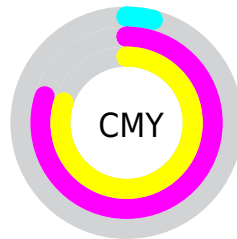
- Red (96%)
- Green (20%)
- Blue (20%)



- Red (96%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (80%)
- Yellow (79%)
- Black (4%)



- Cyan (4%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 85.455, 33.462 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, 85.455, 33.462 by changing the saturation by 10% instead.

 54, 85.455, 33.462

 54, 85.455, 33.462

 100, 85.455,
33.462

 44, 85.455, 33.462

 74, 85.455, 33.462

 34, 85.455, 33.462

 84, 85.455, 33.462

 24, 85.455, 33.462

 94, 85.455, 33.462

 14, 85.455, 33.462

 4, 85.455, 33.462


 0, 85.455, 33.462

 54, 85.455, 33.462

 54, 85.455, 33.462

 52, 94.814, 37.087

 57, 74.486, 29.878

 51, 100.849,

 61, 62.859, 26.837

39.615

66, 51.091, 24.423

51, 101.086,
39.711

71, 39.563, 22.560

77, 28.542, 21.130

84, 18.180, 20.026

90, 8.537, 19.143

97, 0.394, 200.188

99, 3.418, 199.382

Harmonies

Complementary

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



54, 85.455, 33.462



88, 46.691, 195.239

Rectangle

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



54, 85.455, 33.462



54, 85.455, 83.462



54, 85.455, 213.462



54, 85.455, 263.462

Sweetspot

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



54, 85.452, 33.464



84, 23.458, 20.490



60, 105.061, 327.444



42, 16.333, 20.896



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, 85.452, 33.464



54, 101.676, 38.717



69, 70.161, 63.365



48, 5.079, 19.138



39, 82.090, 39.594



8, 30.960, 24.613

Inverse Universe

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



54, 85.452, 33.464



54, 101.676, 38.717



61, 55.304, 273.856



48, 5.079, 19.138



39, 82.090, 39.594



8, 30.960, 24.613

Previews

White Background



This preview shows how the CIELCh color 54, 85.455, 33.462 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, 85.455, 33.462 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, 85.455, 33.462

Background



This preview shows how black text looks on a background with the CIELCh color 54, 85.455, 33.462.



This preview shows how white text looks on a background with the CIELCh color 54, 85.455, 33.462.

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, 85.455, 33.462

Protanopia

54, 31.491, 96.305

Deuteranopia

54, 50.623, 81.861



Tritanopia
54, 85.718, 33.763

Trichromacy



Original Color
54, 85.455, 33.462

Protanomaly
51, 43.169, 49.173

Deuteranomaly
52, 58.550, 53.611

Tritanomaly
54, 85.718, 33.763

Monochromacy



Original Color
54, 85.455, 33.462

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, 85.455, 33.462 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, 50, 52)` looks like.

```
.text, #text, p{  
    color:rgb(245, 50, 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, 50, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 50, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 85.455, 33.462 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, 50, 52) }
```

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

```
.border{ border-color:rgb(245, 50, 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, 50, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 50, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 50, 52);  
box-shadow:4px 4px 4px 4px rgb(245, 50,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 85.455, 33.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 50, 52) }
```

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

```
.background{ background-color: rgb(245, 50,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor