

Converting Colors

CIELCh(54, 88.974, 34.988)

Have a look what the booklet for
CIELCh(54, 88.974, 34.988) contains.

CIELCh(54, 89.030, 35.029)	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, 89.030, 35.029)

Conversions

Conversions Part 1

Format	Color
Hex	F82D2D
RGB	248, 45, 45
RGB Percent	97%, 18%, 18%
CMY	0.0292, 0.8217, 0.8247
CMYK	0.00, 0.82, 0.82, 0.03
HSL	0°, 93%, 57%
HSV	0°, 82%, 97%
XYZ	39.9785, 21.9746, 4.5863
YIQ	105.6970, 120.9880, 43.0360

Conversions

Conversions Part 2

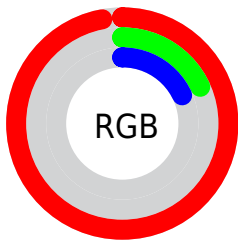
Format	Color
R _Y B	248, 45, 45
Decimal	16264493
CIE Lab	54.00, 72.90, 51.10
CIE LCh	54, 89.030, 35.029
Yxy	21.9746, 0.6008, 0.3302
Android (android.graphics.Color)	4294454573 (0xFFF82D2D)
YUV	105.6970, -29.9236, 124.7997
Hunter-Lab	46.8770, 70.1969, 27.0132

Details

The CIELCh color **54, 89.030, 35.029** 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 **89, 47.005, 197.002**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 65.104, 35.185**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 97.795, 38.281**, and if you desaturate by 10%, it is **57, 78.116, 31.494**.

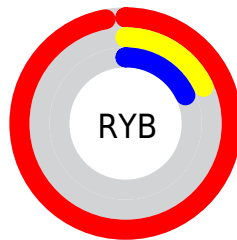
Distribution



Red (97%)

Green (18%)

Blue (18%)



Red (97%)

Yellow (18%)

Blue (18%)

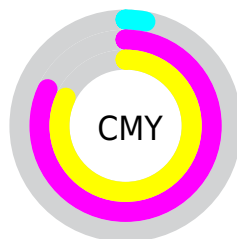


Cyan (0%)

Magenta (82%)

Yellow (82%)

Black (3%)



Cyan (3%)

Magenta (82%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 89.030, 35.029 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, 89.030, 35.029 by changing the saturation by 10% instead.

 54, 89.030, 35.029

 54, 89.030, 35.029

 100, 89.030,
35.029

 44, 89.030, 35.029

 74, 89.030, 35.029

 34, 89.030, 35.029

 84, 89.030, 35.029

 24, 89.030, 35.029

 94, 89.030, 35.029

 14, 89.030, 35.029

 4, 89.030, 35.029


 0, 89.030, 35.029

 54, 89.030, 35.029

 54, 89.030, 35.029

 52, 97.795, 38.281

 57, 78.116, 31.494

 52, 102.208,

 61, 66.360, 28.385

40.028

65, 54.387, 25.883

71, 42.616, 23.945

77, 31.337, 22.464

83, 20.721, 21.331

89, 10.840, 20.445

96, 1.698, 19.461

99, 2.578, 199.499

Harmonies

Complementary

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



54, 89.030, 35.029



89, 47.005, 197.002

Rectangle

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



54, 89.030, 35.029



54, 89.030, 85.029



54, 89.030, 215.029



54, 89.030, 265.029

Sweetspot

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



54, 89.027, 35.031



83, 24.471, 21.651



60, 107.343, 328.060



42, 16.922, 22.047



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, 89.027, 35.031



53, 103.507, 39.621



70, 72.589, 64.391



49, 5.147, 20.251



39, 83.338, 40.039



9, 32.112, 26.334

Inverse Universe

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



89, 47.005, 197.002



91, 49.737, 196.986



60, 59.039, 276.751



51, 4.845, 199.298



69, 39.743, 196.980



23, 17.994, 196.905

Previews

White Background



This preview shows how the CIELCh color 54, 89.030, 35.029 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, 89.030, 35.029 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, 89.030, 35.029

Background



This preview shows how black text looks on a background with the CIELCh color 54, 89.030, 35.029.



This preview shows how white text looks on a background with the CIELCh color 54, 89.030, 35.029.

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, 89.177, 34.904

Protanopia

54, 35.759, 96.114

Deuteranopia

54, 55.049, 83.010



Tritanopia
54, 89.177, 34.904

Trichromacy



Original Color
54, 89.177, 34.904

Protanomaly
51, 47.229, 51.176

Deuteranomaly
52, 62.541, 55.037

Tritanomaly
54, 89.177, 34.904

Monochromacy



Original Color
54, 89.177, 34.904

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 33.055, 24.256

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 89.030, 35.029 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(248, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(248, 45, 45)  
}
```

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(248, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 45, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 89.030, 35.029 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(248, 45, 45) }
```

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

```
.border{ border-color:rgb(248, 45, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 45, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(248, 45,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 89.030, 35.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 45, 45) }
```

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

```
.background{ background-color: rgb(248, 45,  
45) }
```

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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