

# Converting Colors

CIELCh(58, 85.403, 38.063)

Have a look what the booklet for  
CIELCh(58, 85.403, 38.063) contains.

<b>CIELCh(58, 85.403, 38.063)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

**Color**

**CIELCh(58, 85.403, 38.063)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE4832
RGB	254, 72, 50
RGB Percent	100%, 28%, 20%
CMY	0.0036, 0.7173, 0.8037
CMYK	0.00, 0.72, 0.80, 0.00
HSL	6°, 99%, 60%
HSV	6°, 80%, 100%
XYZ	43.8012, 25.9610, 5.7265
YIQ	123.9100, 115.5340, 31.7420

# Conversions

## Conversions Part 2

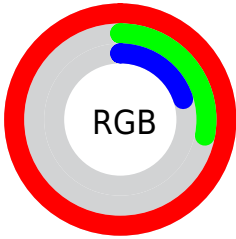
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 75, 50
Decimal	16664626
CIE <sub>Lab</sub>	58.00, 67.24, 52.65
CIE <sub>LCh</sub>	58, 85.403, 38.063
Yxy	25.9610, 0.5802, 0.3439
Android (android.graphics.Color)	4294854706 (0xFFFE4832)
YUV	123.9100, -36.4376, 114.0889
Hunter-Lab	50.9519, 64.2830, 29.0028

# Details

The CIELCh color **58, 85.403, 38.063** 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 **85, 42.800, 212.782**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 59.008, 41.041**, and **39, 82.912, 39.784** is the 20% darker color. If you saturate the color by 10%, you get **55, 95.766, 40.004**, and if you desaturate by 10%, it is **61, 73.530, 35.918**.

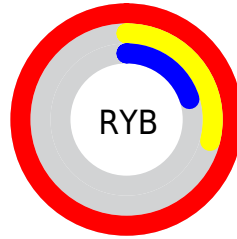
# Distribution



Red (100%)

Green (28%)

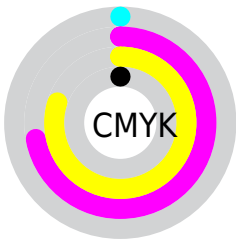
Blue (20%)



Red (100%)

Yellow (29%)

Blue (20%)

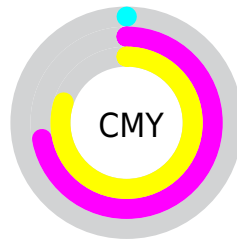


Cyan (0%)

Magenta (72%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (80%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.403, 38.063 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 58, 85.403, 38.063 by changing the saturation by 10% instead.



 58, 85.403, 38.063

 58, 85.403, 38.063

 100, 85.403,  
38.063

 48, 85.403, 38.063

 78, 85.403, 38.063

 38, 85.403, 38.063

 88, 85.403, 38.063

 28, 85.403, 38.063

 98, 85.403, 38.063

 18, 85.403, 38.063

 8, 85.403, 38.063


 0, 85.403, 38.063

 58, 85.403, 38.063

 58, 85.403, 38.063

 55, 95.766, 40.004

 61, 73.530, 35.918

 54, 102.586,

 66, 61.372, 34.034

41.030

70, 49.486, 32.536

76, 38.163, 31.406

81, 27.550, 30.585

87, 17.701, 30.002

93, 8.612, 29.583

99, 0.239, 26.637

100, 0.320,  
201.456

# Harmonies

# Complementary

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



58, 85.403, 38.063



85, 42.800, 212.782

# Rectangle

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



58, 85.403, 38.063



58, 85.403, 88.063



58, 85.403, 218.063



58, 85.403, 268.063

# Sweetspot

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



58, 85.400, 38.065



85, 21.320, 30.195



61, 101.223, 331.798



43, 14.867, 30.405



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 85.400, 38.065



55, 100.411, 40.641



77, 72.800, 73.657



50, 4.753, 29.553



41, 82.542, 41.275



11, 31.357, 32.468





# Inverse Universe

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



85, 42.800, 212.782



83, 44.242, 215.449



56, 70.268, 285.345



52, 4.466, 209.371



64, 35.739, 215.862



21, 16.600, 213.237



# Previews

## White Background



This preview shows how the CIELCh color 58, 85.403, 38.063 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 58, 85.403, 38.063 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 58, 85.403, 38.063

## Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.403, 38.063.



This preview shows how white text looks on a background with the CIELCh color 58, 85.403, 38.063.

# 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

58, 85.403, 38.063

### Protanopia

58, 39.563, 96.238

### Deuteranopia

58, 55.984, 82.450



**Tritanopia**  
58, 80.599, 30.706



# Trichromacy



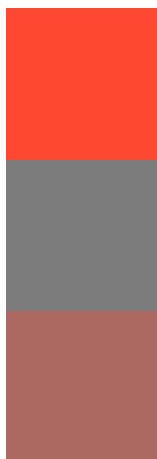
**Original Color**  
58, 85.403, 38.063

**Protanomaly**  
56, 48.028, 58.875

**Deuteranomaly**  
56, 61.737, 59.004

**Tritanomaly**  
58, 82.403, 33.568

# Monochromacy



**Original Color**  
58, 85.403, 38.063

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
51, 29.927, 31.606

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 58, 85.403, 38.063 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(254, 72, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 72, 50)  
}
```

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(254, 72, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 72, 50) }
```

## Border

The CSS property to change the border of an element to CIELCh 58, 85.403, 38.063 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(254, 72, 50) }
```

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

```
.border{ border-color:rgb(254, 72, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 72, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 72, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 72, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 72,  
50) }
```

# Background

The CSS property to change the background color of an element to CIELCh 58, 85.403, 38.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 72, 50) }
```

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

```
.background{ background-color: rgb(254, 72,  
50) }
```

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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