

# Converting Colors

CIELCh(54, 98.550, 37.716)

Have a look what the booklet for  
CIELCh(54, 98.550, 37.716) contains.

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**Color**

**CIELCh(54, 98.583, 37.659)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF191A
RGB	255, 25, 26
RGB Percent	100%, 10%, 10%
CMY	0.0014, 0.9006, 0.8991
CMYK	0.00, 0.90, 0.90, 0.00
HSL	360°, 100%, 55%
HSV	360°, 90%, 100%
XYZ	41.6471, 21.9746, 3.0079
YIQ	93.8840, 136.7590, 49.0710

# Conversions

## Conversions Part 2

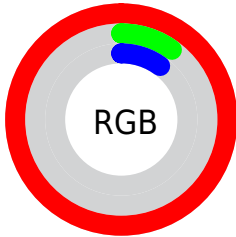
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 25, 26
Decimal	16718106
CIE Lab	54.00, 78.04, 60.23
CIE LCh	54, 98.583, 37.659
Yxy	21.9746, 0.6251, 0.3298
Android (android.graphics.Color)	4294908186 (0xFFFF191A)
YUV	93.8840, -33.4668, 141.2987
Hunter-Lab	46.8770, 76.5506, 29.0096

# Details

The CIELCh color **54, 98.583, 37.659** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **91, 49.463, 196.185**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 72.141, 38.696**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **53, 104.397, 39.953**, and if you desaturate by 10%, it is **56, 89.108, 34.190**.

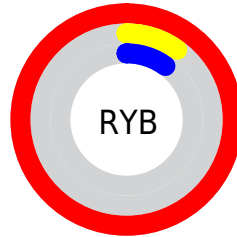
# Distribution



Red (100%)

Green (10%)

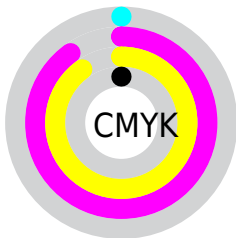
Blue (10%)



Red (100%)

Yellow (10%)

Blue (10%)

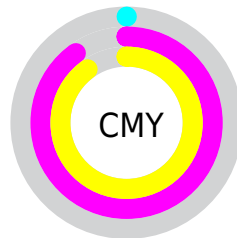


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (90%)

Yellow (90%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 98.583, 37.659 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, 98.583, 37.659 by changing the saturation by 10% instead.



 54, 98.583, 37.659

 54, 98.583, 37.659

 100, 98.583,  
37.659

 44, 98.583, 37.659

 74, 98.583, 37.659

 34, 98.583, 37.659

 84, 98.583, 37.659

 24, 98.583, 37.659

 94, 98.583, 37.659


 14, 98.583, 37.659

 4, 98.583, 37.659

 0, 98.583, 37.659

 54, 98.583, 37.659

 54, 98.583, 37.659

 53, 104.397,  
39.953

 56, 89.108, 34.190

 59, 77.775, 30.630

63, 65.702, 27.573

68, 53.474, 25.139

74, 41.495, 23.261

80, 30.047, 21.827

86, 19.293, 20.725

93, 9.294, 19.851

100, 0.045, 4.443

# Harmonies

# Complementary

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



54, 98.583, 37.659



91, 49.463, 196.185

# Rectangle

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



54, 98.583, 37.659



54, 98.583, 87.659



54, 98.583, 217.659



54, 98.583, 267.659

# Sweetspot

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



54, 98.579, 37.661



82, 26.723, 21.460



60, 113.368, 327.553



41, 18.239, 21.873



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, 98.579, 37.661



53, 104.507, 39.953



69, 80.710, 61.201



49, 5.254, 19.808



40, 84.151, 39.933



10, 33.353, 27.110





# Inverse Universe

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



54, 98.579, 37.661



53, 104.507, 39.953



59, 64.153, 278.706



49, 5.254, 19.808



40, 84.151, 39.933



10, 33.353, 27.110



# Previews

## White Background



This preview shows how the CIELCh color 54, 98.583, 37.659 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, 98.583, 37.659 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, 98.583, 37.659**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 98.583, 37.659.



This preview shows how white text looks on a background with the CIELCh color 54, 98.583, 37.659.

# 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, 98.669, 37.597

### Protanopia

54, 45.580, 95.614

### Deuteranopia

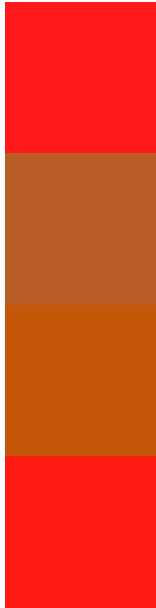
54, 60.295, 83.616



**Tritanopia**  
54, 100.420, 39.090



# Trichromacy



**Original Color**  
54, 98.669, 37.597

**Protanomaly**  
50, 57.127, 53.478

**Deuteranomaly**  
50, 70.596, 54.876

**Tritanomaly**  
54, 99.851, 38.659

# Monochromacy



**Original Color**  
54, 98.669, 37.597

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
40, 38.647, 25.855

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 98.583, 37.659 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(255, 25, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 25, 26)  
}
```

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(255, 25, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 25, 26) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 98.583, 37.659 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(255, 25, 26) }
```

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

```
.border{ border-color:rgb(255, 25, 26) }
```

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

Here you see how a box with a 4 pixel rgb(255, 25, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 25, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 25, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 25,  
26) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 98.583, 37.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 25, 26) }
```

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

```
.background{ background-color: rgb(255, 25,  
26) }
```

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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