

# Converting Colors

CIELCh(54, 102.248, 41.424)

Have a look what the booklet for  
CIELCh(54, 102.248, 41.424)  
contains.

<b>CIELCh(54, 102.202, 41.258)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

**Color**

**CIELCh(54, 102.202, 41.258)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FE1F00
RGB	254, 31, 0
RGB Percent	100%, 12%, 0%
CMY	0.0050, 0.8801, 1.0000
CMYK	0.00, 0.88, 1.00, 0.01
HSL	7°, 100%, 50%
HSV	7°, 100%, 99%
XYZ	41.2489, 21.9746, 2.0600
YIQ	94.1430, 142.8590, 37.6350

# Conversions

## Conversions Part 2

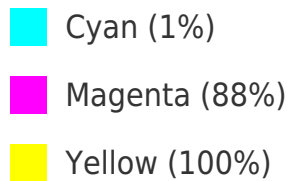
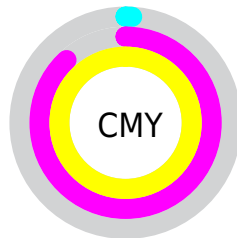
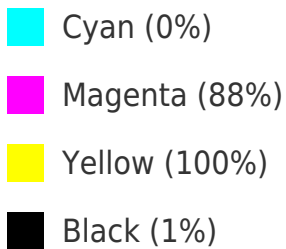
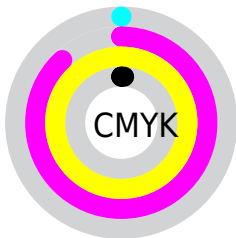
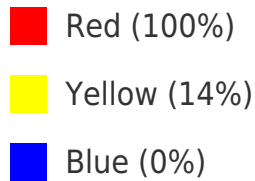
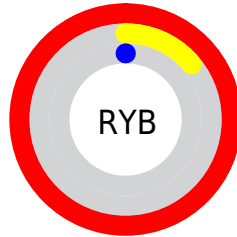
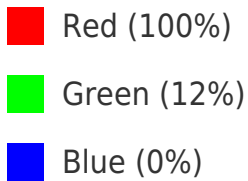
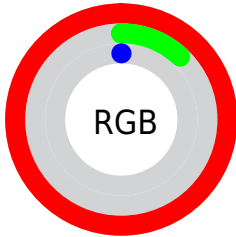
Format	Color
R <sub>Y</sub> B	254, 35, 0
Decimal	16654080
CIE Lab	54.00, 76.83, 67.40
CIE LCh	54, 102.202, 41.258
Yxy	21.9746, 0.6318, 0.3366
Android (android.graphics.Color)	4294844160 (0xFFFE1F00)
YUV	94.1430, -46.4125, 140.1946
Hunter-Lab	46.8770, 75.0344, 30.2084

# Details

The CIELCh color **54, 102.202, 41.258** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **82, 43.825, 218.884**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 76.174, 43.991**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 102.158, 41.233**, and if you desaturate by 10%, it is **56, 94.951, 40.318**.

# Distribution





# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 102.202, 41.258 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, 102.202, 41.258 by changing the saturation by 10% instead.





 54, 102.202,  
41.258


 54, 102.202,  
41.258


 100, 102.202,  
41.258


 44, 102.202,  
41.258


 74, 102.202,  
41.258

 34, 102.202,  
41.258

 84, 102.202,  
41.258

 24, 102.202,  
41.258

 94, 102.202,  
41.258

 14, 102.202,  
41.258

 4, 102.202, 41.258

 0, 102.202, 41.258

■ 54, 102.202,  
41.258

■ 54, 102.202,  
41.258

■ 54, 102.158,  
41.233

■ 56, 94.951, 40.318

■ 58, 84.460, 38.534

■ 62, 72.565, 36.550

■ 66, 60.446, 34.812

■ 71, 48.645, 33.436

■ 76, 37.434, 32.409

■ 82, 26.946, 31.673

■ 87, 17.225, 31.164

■ 93, 8.258, 30.807

# Harmonies

# Complementary

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



54, 102.202, 41.258



82, 43.825, 218.884

# Rectangle

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



54, 102.202, 41.258



54, 102.202, 91.258



54, 102.202, 221.258



54, 102.202, 271.258

# Sweetspot

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



54, 102.158, 41.233



82, 27.057, 31.673



58, 104.880, 333.614



41, 18.785, 31.952



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, 102.158, 41.233



54, 102.554, 41.229



73, 82.387, 70.244



50, 4.704, 30.791



41, 82.262, 41.498



11, 31.156, 33.085





# Inverse Universe

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



82, 43.825, 218.884



82, 43.991, 218.891



47, 91.540, 294.337



52, 4.421, 210.715



63, 35.471, 218.453



21, 16.464, 215.461



# Previews

## White Background



This preview shows how the CIELCh color 54, 102.202, 41.258 looks on a white background.

## Color Contrast Check

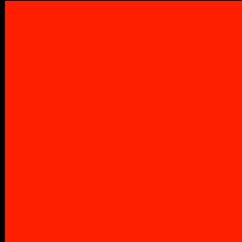
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.202, 41.258 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, 102.202, 41.258**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 102.202, 41.258.



This preview shows how white text looks on a background with the CIELCh color 54, 102.202, 41.258.

# 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, 102.202, 41.258

### Protanopia

54, 51.689, 95.314

### Deuteranopia

54, 60.115, 84.041



**Tritanopia**  
54, 98.832, 38.529



# Trichromacy



**Original Color**  
54, 102.202, 41.258

**Protanomaly**  
50, 62.734, 58.910

**Deuteranomaly**  
51, 71.468, 56.802

**Tritanomaly**  
54, 100.229, 39.729

# Monochromacy



**Original Color**  
54, 102.202, 41.258

**Achromatopsia**  
40, 0.006, 296.813

**Achromatomaly**  
40, 40.019, 34.514

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 102.202, 41.258 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, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 31, 0)  
}
```

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, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 31, 0) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 102.202, 41.258 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, 31, 0) }
```

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

```
.border{ border-color:rgb(254, 31, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 31, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 31, 0)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 102.202, 41.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 31, 0) }
```

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

```
.background{ background-color: rgb(254, 31,  
0) }
```

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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