

Converting Colors

CIELCh(54, 91.126, 27.168)

Have a look what the booklet for
CIELCh(54, 91.126, 27.168) contains.

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Color

CIELCh(54, 90.757, 27.147)

Conversions

Conversions Part 1

Format	Color
Hex	FF0940
RGB	255, 9, 64
RGB Percent	100%, 4%, 25%
CMY	0.0000, 0.9641, 0.7508
CMYK	0.00, 0.96, 0.75, 0.00
HSL	347°, 100%, 52%
HSV	347°, 96%, 100%
XYZ	42.5467, 21.9746, 6.7819
YIQ	88.8240, 128.9610, 69.2570

Conversions

Conversions Part 2

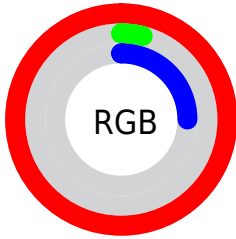
Format	Color
RYB	255, 9, 64
Decimal	16714048
CIELab	54.00, 80.76, 41.41
CIElCh	54, 90.757, 27.147
Yxy	21.9746, 0.5967, 0.3082
Android (android.graphics.Color)	4294904128 (0xFFFF0940)
YUV	88.8240, -12.2382, 145.7364
Hunter-Lab	46.8770, 79.9759, 24.2362

Details

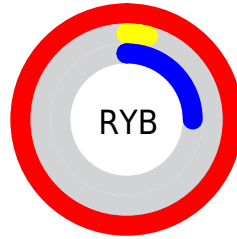
The CIELCh color **54, 90.757, 27.147** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **90, 63.386, 169.035**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.001, 22.111**, and **39, 78.449, 35.045** is the 20% darker color. If you saturate the color by 10%, you get **54, 92.581, 29.013**, and if you desaturate by 10%, it is **55, 84.343, 21.676**.

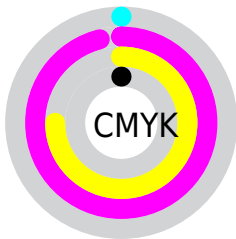
Distribution



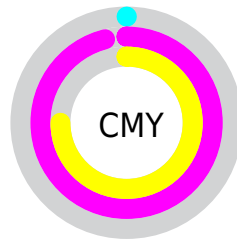
- Red (100%)
- Green (4%)
- Blue (25%)



- Red (100%)
- Yellow (4%)
- Blue (25%)



- Cyan (0%)
- Magenta (96%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (96%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 90.757, 27.147 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, 90.757, 27.147 by changing the saturation by 10% instead.

 54, 90.757, 27.147

 54, 90.757, 27.147

 100, 90.757,
27.147

 44, 90.757, 27.147

 74, 90.757, 27.147

 34, 90.757, 27.147

 84, 90.757, 27.147

 24, 90.757, 27.147

 94, 90.757, 27.147

 14, 90.757, 27.147

 4, 90.757, 27.147

 0, 90.757, 27.147

 54, 90.757, 27.147

 54, 90.757, 27.147

 54, 92.581, 29.013

 55, 84.343, 21.676

 58, 76.973, 17.025

61, 68.262, 13.256

65, 58.438, 10.279

71, 47.920, 7.931

76, 37.143, 6.059

83, 26.448, 4.536

89, 16.066, 3.266

96, 6.121, 2.146

Harmonies

Complementary

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



54, 90.757, 27.147



90, 63.386, 169.035

Rectangle

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



54, 90.757, 27.147



54, 90.757, 77.147



54, 90.757, 207.147



54, 90.757, 257.147

Sweetspot

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



54, 90.483, 27.077



81, 29.195, 4.902



51, 117.531, 319.608



40, 20.193, 5.547



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, 90.483, 27.077



54, 92.581, 29.013



58, 94.361, 45.682



50, 5.472, 2.489



40, 73.922, 27.962



10, 31.860, 17.627

Inverse Universe

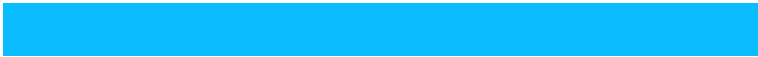
The Inverse Universe completely reimagines the original color for something new.



54, 90.483, 27.077



54, 92.581, 29.013



72, 46.275, 248.957



50, 5.472, 2.489



40, 73.922, 27.962



10, 31.860, 17.627

Previews

White Background



This preview shows how the CIELCh color 54, 90.757, 27.147 looks on a white background.

Color Contrast Check

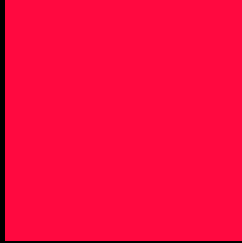
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.757, 27.147 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, 90.757, 27.147

Background



This preview shows how black text looks on a background with the CIELCh color 54, 90.757, 27.147.



This preview shows how white text looks on a background with the CIELCh color 54, 90.757, 27.147.

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, 90.388, 26.923

Protanopia

54, 19.363, 94.776

Deuteranopia

54, 45.443, 80.731



Tritanopia
54, 99.621, 38.861

Trichromacy



Original Color
54, 90.388, 26.923

Protanomaly
48, 43.363, 26.401

Deuteranomaly
50, 58.558, 41.398

Tritanomaly
54, 96.502, 35.506

Monochromacy



Original Color
54, 90.388, 26.923

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 39.953, 10.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 90.757, 27.147 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, 9, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 9, 64)  
}
```

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, 9, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 9, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 90.757, 27.147 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, 9, 64) }
```

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

```
.border{ border-color:rgb(255, 9, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 9, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 9, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 9, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 9, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 90.757, 27.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 9, 64) }
```

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

```
.background{ background-color: rgb(255, 9,  
64) }
```

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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