

Converting Colors

CIELCh(54, 93.282, 31.872)

Have a look what the booklet for
CIELCh(54, 93.282, 31.872) contains.

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Color

CIELCh(54, 93.359, 31.952)

Conversions

Conversions Part 1

Format	Color
Hex	FF1431
RGB	255, 20, 49
RGB Percent	100%, 8%, 19%
CMY	0.0001, 0.9217, 0.8079
CMYK	0.00, 0.92, 0.81, 0.00
HSL	353°, 100%, 54%
HSV	353°, 92%, 100%
XYZ	42.0332, 21.9746, 4.9298
YIQ	93.5710, 130.7510, 58.8390

Conversions

Conversions Part 2

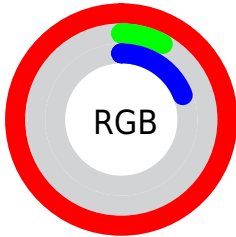
Format	Color
R_{YB}	255, 20, 49
Decimal	16716849
CIE _{Lab}	54.00, 79.21, 49.41
CIE _{LCh}	54, 93.359, 31.952
Yxy	21.9746, 0.6097, 0.3188
Android (android.graphics.Color)	4294906929 (0xFFFF1431)
YUV	93.5710, -21.9735, 141.5732
Hunter-Lab	46.8770, 78.0209, 26.5787

Details

The CIELCh color **54, 93.359, 31.952** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **90, 55.574, 180.152**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 67.011, 30.286**, and **39, 82.201, 39.151** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.797, 35.529**, and if you desaturate by 10%, it is **56, 85.114, 27.167**.

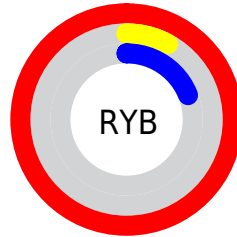
Distribution



Red (100%)

Green (8%)

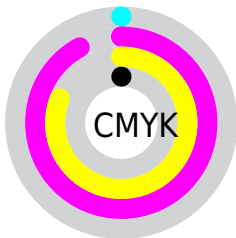
Blue (19%)



Red (100%)

Yellow (8%)

Blue (19%)

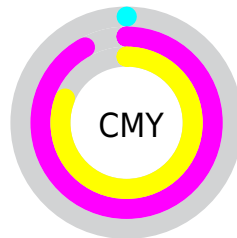


Cyan (0%)

Magenta (92%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (92%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 93.359, 31.952 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, 93.359, 31.952 by changing the saturation by 10% instead.

 54, 93.359, 31.952

 54, 93.359, 31.952

 100, 93.359,
31.952

 44, 93.359, 31.952

 74, 93.359, 31.952

 34, 93.359, 31.952

 84, 93.359, 31.952

 24, 93.359, 31.952

 94, 93.359, 31.952

 14, 93.359, 31.952

 4, 93.359, 31.952

 0, 93.359, 31.952

 54, 93.359, 31.952

 54, 93.359, 31.952

 53, 98.797, 35.529

 56, 85.114, 27.167

 59, 75.671, 22.916

62, 65.291, 19.430

67, 54.319, 16.672

73, 43.155, 14.508

79, 32.147, 12.799

85, 21.537, 11.428

92, 11.462, 10.296

99, 1.978, 9.115

Harmonies

Complementary

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



54, 93.359, 31.952



90, 55.574, 180.152

Rectangle

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



54, 93.359, 31.952



54, 93.359, 81.952



54, 93.359, 211.952



54, 93.359, 261.952

Sweetspot

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



54, 93.355, 31.954



81, 27.672, 12.193



56, 114.927, 323.286



41, 19.329, 12.822



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, 93.355, 31.954



53, 98.806, 35.529



63, 86.493, 51.931



50, 5.313, 10.020



40, 78.829, 34.690



10, 32.445, 22.138

Inverse Universe

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



54, 93.355, 31.954



53, 98.806, 35.529



66, 52.647, 264.533



50, 5.313, 10.020



40, 78.829, 34.690



10, 32.445, 22.138

Previews

White Background



This preview shows how the CIELCh color 54, 93.359, 31.952 looks on a white background.

Color Contrast Check

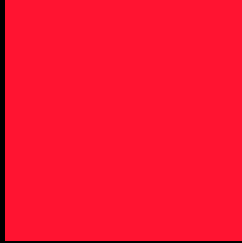
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.359, 31.952 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, 93.359, 31.952

Background



This preview shows how black text looks on a background with the CIELCh color 54, 93.359, 31.952.



This preview shows how white text looks on a background with the CIELCh color 54, 93.359, 31.952.

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, 93.359, 31.952

Protanopia

54, 30.959, 96.216

Deuteranopia

54, 53.486, 82.634



Tritanopia
54, 100.146, 39.013

Trichromacy



Original Color
54, 93.359, 31.952



Protanomaly
49, 47.344, 41.156



Deuteranomaly
50, 63.572, 49.508



Tritanomaly
54, 98.064, 36.971

Monochromacy



Original Color
54, 93.359, 31.952



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 38.707, 16.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 93.359, 31.952 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, 20, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 49)  
}
```

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, 20, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 93.359, 31.952 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, 20, 49) }
```

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

```
.border{ border-color:rgb(255, 20, 49) }
```

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

Here you see how a box with a 4 pixel rgb(255, 20, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 93.359, 31.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 49) }
```

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

```
.background{ background-color: rgb(255, 20,  
49) }
```

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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