

Converting Colors

CIELCh(54, 94.135, 32.306)

Have a look what the booklet for
CIELCh(54, 94.135, 32.306) contains.

CIELCh(54, 94.072, 32.352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 94.072, 32.352)

Conversions

Conversions Part 1

Format	Color
Hex	FF122F
RGB	255, 18, 47
RGB Percent	100%, 7%, 18%
CMY	0.0000, 0.9291, 0.8147
CMYK	0.00, 0.93, 0.81, 0.00
HSL	353°, 100%, 54%
HSV	353°, 93%, 100%
XYZ	42.1179, 21.9746, 4.7387
YIQ	92.1690, 131.9430, 59.2630

Conversions

Conversions Part 2

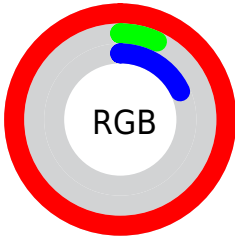
Format	Color
R_{YB}	255, 18, 47
Decimal	16716335
CIE _{Lab}	54.00, 79.47, 50.34
CIE _{LCh}	54, 94.072, 32.352
Yxy	21.9746, 0.6119, 0.3193
Android (android.graphics.Color)	4294906415 (0xFFFF122F)
YUV	92.1690, -22.2683, 142.8028
Hunter-Lab	46.8770, 78.3431, 26.8204

Details

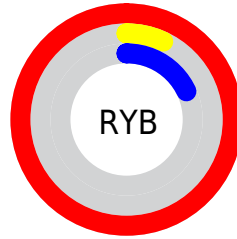
The CIELCh color **54, 94.072, 32.352** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **90, 55.687, 180.080**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 67.725, 30.791**, and **39, 82.669, 39.570** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.821, 35.543**, and if you desaturate by 10%, it is **56, 85.792, 27.530**.

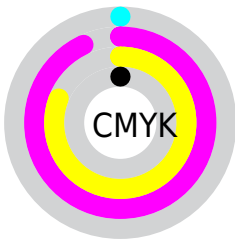
Distribution



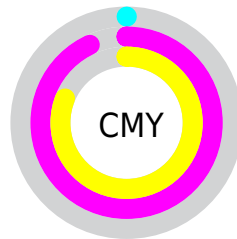
- Red (100%)
- Green (7%)
- Blue (18%)



- Red (100%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (93%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (93%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 94.072, 32.352 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, 94.072, 32.352 by changing the saturation by 10% instead.

 54, 94.072, 32.352

 54, 94.072, 32.352

 100, 94.072,
32.352

 44, 94.072, 32.352

 74, 94.072, 32.352

 34, 94.072, 32.352

 84, 94.072, 32.352

 24, 94.072, 32.352

 94, 94.072, 32.352

 14, 94.072, 32.352

 4, 94.072, 32.352

 0, 94.072, 32.352

 54, 94.072, 32.352

 54, 94.072, 32.352

 53, 98.821, 35.543

 56, 85.792, 27.530

 58, 76.425, 23.226

62, 66.100, 19.683

67, 55.155, 16.874

72, 43.990, 14.671

78, 32.958, 12.933

85, 22.311, 11.541

91, 12.193, 10.395

98, 2.664, 9.281

Harmonies

Complementary

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



54, 94.072, 32.352



90, 55.687, 180.080

Rectangle

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



54, 94.072, 32.352



54, 94.072, 82.352



54, 94.072, 212.352



54, 94.072, 262.352

Sweetspot

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



54, 93.935, 32.332



81, 27.672, 12.213



55, 115.167, 323.263



41, 19.329, 12.842



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, 93.935, 32.332



53, 98.821, 35.543



63, 87.063, 51.788



50, 5.313, 10.040



40, 78.842, 34.704



10, 32.447, 22.149

Inverse Universe

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



54, 93.935, 32.332



53, 98.821, 35.543



66, 52.960, 264.917



50, 5.313, 10.040



40, 78.842, 34.704



10, 32.447, 22.149

Previews

White Background



This preview shows how the CIELCh color 54, 94.072, 32.352 looks on a white background.

Color Contrast Check

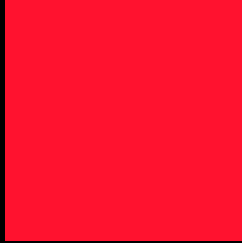
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 54, 94.072, 32.352 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, 94.072, 32.352

Background



This preview shows how black text looks on a background with the CIELCh color 54, 94.072, 32.352.



This preview shows how white text looks on a background with the CIELCh color 54, 94.072, 32.352.

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, 94.007, 32.400

Protanopia

54, 32.020, 96.388

Deuteranopia

54, 54.447, 82.869



Tritanopia
54, 100.772, 39.352

Trichromacy



Original Color
54, 94.007, 32.400

Protanomaly
49, 48.198, 41.613

Deuteranomaly
50, 64.386, 49.626

Tritanomaly
54, 98.607, 37.296

Monochromacy



Original Color
54, 94.007, 32.400

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 38.827, 17.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 94.072, 32.352 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, 18, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 47)  
}
```

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, 18, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 94.072, 32.352 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, 18, 47) }
```

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

```
.border{ border-color:rgb(255, 18, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 18, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 94.072, 32.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 47) }
```

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

```
.background{ background-color: rgb(255, 18,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor