

Converting Colors

CIELCh(54, 95.297, 32.873)

Have a look what the booklet for
CIELCh(54, 95.297, 32.873) contains.

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Color

CIELCh(54, 94.816, 32.718)

Conversions

Conversions Part 1

Format	Color
Hex	FF102E
RGB	255, 16, 46
RGB Percent	100%, 6%, 18%
CMY	0.0000, 0.9386, 0.8213
CMYK	0.00, 0.94, 0.82, 0.00
HSL	352°, 100%, 53%
HSV	352°, 94%, 100%
XYZ	42.2183, 21.9746, 4.5574
YIQ	90.8810, 132.8140, 59.9980

Conversions

Conversions Part 2

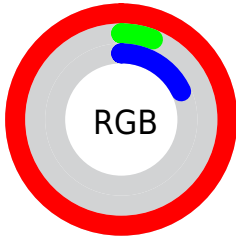
Format	Color
R _Y B	255, 16, 46
Decimal	16715822
CIE Lab	54.00, 79.77, 51.25
CIE LCh	54, 94.816, 32.718
Yxy	21.9746, 0.6141, 0.3196
Android (android.graphics.Color)	4294905902 (0xFFFF102E)
YUV	90.8810, -22.1263, 143.9324
Hunter-Lab	46.8770, 78.7256, 27.0497

Details

The CIELCh color **54, 94.816, 32.718** 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, 55.955, 179.728**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 68.217, 30.874**, and **39, 82.912, 39.784** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.707, 35.442**, and if you desaturate by 10%, it is **55, 86.535, 27.840**.

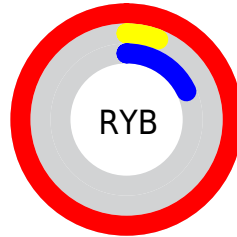
Distribution



Red (100%)

Green (6%)

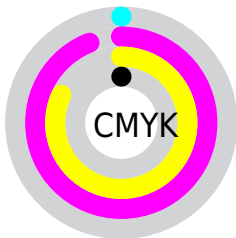
Blue (18%)



Red (100%)

Yellow (6%)

Blue (18%)

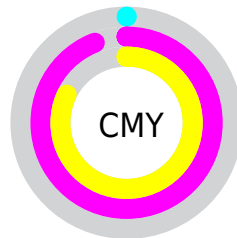


Cyan (0%)

Magenta (94%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (94%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 94.816, 32.718 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, 94.816, 32.718 by changing the saturation by 10% instead.

 54, 94.816, 32.718

 54, 94.816, 32.718

 100, 94.816,
32.718

 44, 94.816, 32.718

 74, 94.816, 32.718

 34, 94.816, 32.718

 84, 94.816, 32.718

 24, 94.816, 32.718

 94, 94.816, 32.718

 14, 94.816, 32.718

 4, 94.816, 32.718

 0, 94.816, 32.718

 54, 94.816, 32.718

 54, 94.816, 32.718

 53, 98.707, 35.442

 55, 86.535, 27.840

 58, 77.303, 23.466

62, 67.082, 19.847

66, 56.197, 16.973

72, 45.048, 14.717

78, 33.999, 12.939

84, 23.310, 11.517

91, 13.138, 10.350

97, 3.549, 9.273

Harmonies

Complementary

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



54, 94.816, 32.718



90, 55.955, 179.728

Rectangle

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



54, 94.816, 32.718



54, 94.816, 82.718



54, 94.816, 212.718



54, 94.816, 262.718

Sweetspot

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



54, 94.519, 32.674



81, 27.676, 12.069



55, 115.437, 323.232



41, 19.330, 12.699



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, 94.519, 32.674



53, 98.707, 35.442



63, 87.755, 51.597



50, 5.315, 9.893



40, 78.748, 34.597



10, 32.435, 22.071

Inverse Universe

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



54, 94.519, 32.674



53, 98.707, 35.442



66, 53.355, 265.411



50, 5.315, 9.893



40, 78.748, 34.597



10, 32.435, 22.071

Previews

White Background



This preview shows how the CIELCh color 54, 94.816, 32.718 looks on a white background.

Color Contrast Check

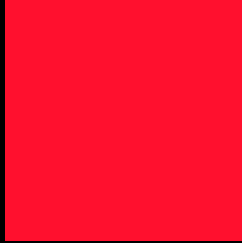
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.816, 32.718 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, 94.816, 32.718

Background



This preview shows how black text looks on a background with the CIELCh color 54, 94.816, 32.718.



This preview shows how white text looks on a background with the CIELCh color 54, 94.816, 32.718.

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, 94.390, 32.576

Protanopia

54, 33.599, 96.609

Deuteranopia

54, 55.620, 83.140



Tritanopia
54, 101.576, 39.699

Trichromacy



Original Color
54, 94.390, 32.576

Protanomaly
49, 49.057, 42.052

Deuteranomaly
50, 65.491, 49.986

Tritanomaly
54, 99.426, 37.729

Monochromacy



Original Color
54, 94.390, 32.576

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 39.404, 18.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 94.816, 32.718 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, 16, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 46)  
}
```

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, 16, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 94.816, 32.718 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, 16, 46) }
```

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

```
.border{ border-color:rgb(255, 16, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 16, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 94.816, 32.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 46) }
```

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

```
.background{ background-color: rgb(255, 16,  
46) }
```

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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