

Converting Colors

CIELCh(54, 100.002, 42.130)

Have a look what the booklet for
CIELCh(54, 100.002, 42.130)
contains.

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Color

CIELCh(54, 100.017, 42.099)

Conversions

Conversions Part 1

Format	Color
Hex	FB2800
RGB	251, 40, 0
RGB Percent	98%, 16%, 0%
CMY	0.0174, 0.8414, 1.0000
CMYK	0.00, 0.84, 1.00, 0.02
HSL	10°, 100%, 49%
HSV	10°, 100%, 98%
XYZ	40.3988, 21.9746, 2.1002
YIQ	98.5290, 138.5960, 32.2920

Conversions

Conversions Part 2

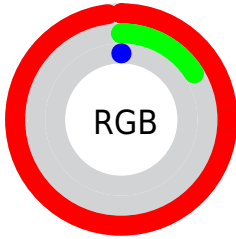
Format	Color
RYB	251, 48, 0
Decimal	16459776
CIELab	54.00, 74.21, 67.05
CIELCh	54, 100.017, 42.099
Yxy	21.9746, 0.6266, 0.3408
Android (android.graphics.Color)	4294649856 (0xFFFB2800)
YUV	98.5290, -48.5748, 133.7171
Hunter-Lab	46.8770, 71.7972, 30.1576

Details

The CIELCh color **54, 100.017, 42.099** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **78, 42.964, 227.803**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 75.385, 45.325**, and **38, 81.836, 39.996** is the 20% darker color. If you saturate the color by 10%, you get **54, 99.948, 42.057**, and if you desaturate by 10%, it is **56, 92.454, 41.653**.

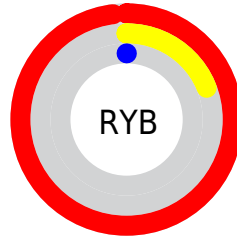
Distribution



Red (98%)

Green (16%)

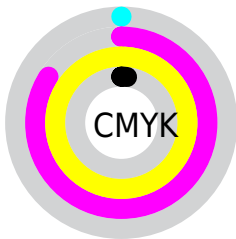
Blue (0%)



Red (98%)

Yellow (19%)

Blue (0%)

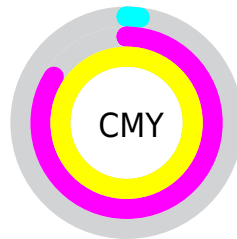


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 100.017, 42.099 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, 100.017, 42.099 by changing the saturation by 10% instead.


 54, 100.017,
42.099


 54, 100.017,
42.099


 100, 100.017,
42.099


 44, 100.017,
42.099


 74, 100.017,
42.099

 34, 100.017,
42.099

 84, 100.017,
42.099

 24, 100.017,
42.099

 94, 100.017,
42.099

 14, 100.017,
42.099

 4, 100.017, 42.099

 0, 100.017, 42.099

■ 54, 100.017,
42.099

■ 54, 100.017,
42.099

■ 54, 99.948, 42.057

■ 56, 92.454, 41.653

■ 59, 81.941, 40.428

■ 62, 70.173, 38.959

■ 66, 58.296, 37.661

■ 71, 46.819, 36.651

■ 76, 35.980, 35.929

■ 81, 25.879, 35.454

■ 87, 16.537, 35.173

■ 93, 7.928, 35.019

Harmonies

Complementary

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



54, 100.017, 42.099



78, 42.964, 227.803

Rectangle

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



54, 100.017, 42.099



54, 100.017, 92.099



54, 100.017, 222.099



54, 100.017, 272.099

Sweetspot

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



54, 99.948, 42.057



83, 26.253, 35.455



57, 101.201, 335.419



42, 18.232, 35.629



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, 99.948, 42.057



55, 101.312, 42.039



74, 81.409, 73.448



49, 4.487, 35.012



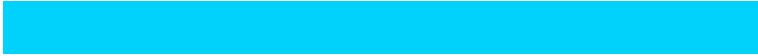
41, 80.365, 42.400



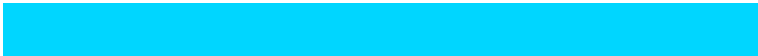
11, 29.292, 34.422

Inverse Universe

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



78, 42.964, 227.803



79, 43.539, 227.836



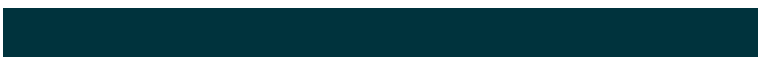
44, 95.851, 296.353



51, 4.221, 215.294



60, 34.719, 227.192



19, 15.757, 222.792

Previews

White Background



This preview shows how the CIELCh color 54, 100.017, 42.099 looks on a white background.

Color Contrast Check

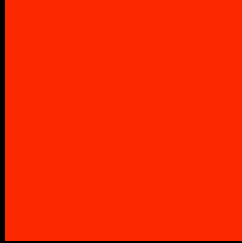
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.017, 42.099 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, 100.017, 42.099

Background



This preview shows how black text looks on a background with the CIELCh color 54, 100.017, 42.099.



This preview shows how white text looks on a background with the CIELCh color 54, 100.017, 42.099.

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, 100.151, 42.008

Protanopia
54, 52.040, 95.324

Deuteranopia
54, 60.115, 84.041



Tritanopia
54, 93.784, 36.696

Trichromacy



Original Color
54, 100.151, 42.008

Protanomaly
50, 62.001, 60.657

Deuteranomaly
51, 70.420, 58.578

Tritanomaly
54, 96.694, 39.323

Monochromacy



Original Color
54, 100.151, 42.008

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 38.177, 37.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 100.017, 42.099 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(251, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 40, 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(251, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 40, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 100.017, 42.099 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(251, 40, 0) }
```

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

```
.border{ border-color:rgb(251, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(251, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 100.017, 42.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 40, 0) }
```

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

```
.background{ background-color: rgb(251, 40,  
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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