

Converting Colors

CIELCh(54, 98.446, 42.425)

Have a look what the booklet for
CIELCh(54, 98.446, 42.425) contains.

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Color

CIELCh(54, 98.633, 42.430)

Conversions

Conversions Part 1

Format	Color
Hex	F92D01
RGB	249, 45, 1
RGB Percent	98%, 18%, 0%
CMY	0.0242, 0.8242, 0.9967
CMYK	0.00, 0.82, 1.00, 0.02
HSL	11°, 99%, 49%
HSV	11°, 100%, 98%
XYZ	39.9459, 21.9746, 2.1602
YIQ	100.9800, 135.7080, 29.5640

Conversions

Conversions Part 2

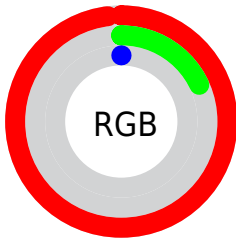
Format	Color
RYB	249, 54, 1
Decimal	16329985
CIELab	54.00, 72.80, 66.55
CIELCh	54, 98.633, 42.430
Yxy	21.9746, 0.6234, 0.3429
Android (android.graphics.Color)	4294520065 (0xFFFF92D01)
YUV	100.9800, -49.2901, 129.8135
Hunter-Lab	46.8770, 70.0726, 30.0817

Details

The CIELCh color **54, 98.633, 42.430** 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 **76, 42.805, 231.218**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 74.690, 45.743**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **54, 98.861, 42.449**, and if you desaturate by 10%, it is **56, 90.986, 42.219**.

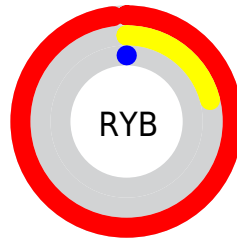
Distribution



Red (98%)

Green (18%)

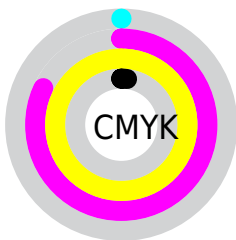
Blue (0%)



Red (98%)

Yellow (21%)

Blue (0%)

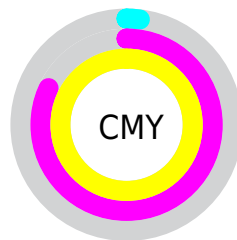


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (82%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 98.633, 42.430 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, 98.633, 42.430 by changing the saturation by 10% instead.

■ 54, 98.633, 42.430

■ 54, 98.633, 42.430

■ 100, 98.633,
42.430

■ 44, 98.633, 42.430

■ 74, 98.633, 42.430

■ 34, 98.633, 42.430

■ 84, 98.633, 42.430

■ 24, 98.633, 42.430

■ 94, 98.633, 42.430

■ 14, 98.633, 42.430

■ 4, 98.633, 42.430

■ 0, 98.633, 42.430

■ 54, 98.633, 42.430

■ 54, 98.633, 42.430

■ 54, 98.861, 42.449

■ 56, 90.986, 42.219

■ 59, 80.445, 41.188

62, 68.756, 39.917

67, 57.014, 38.795

71, 45.707, 37.937

76, 35.052, 37.344

81, 25.136, 36.979

87, 15.971, 36.794

92, 7.526, 36.724

Harmonies

Complementary

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



54, 98.633, 42.430



76, 42.805, 231.218

Rectangle

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



54, 98.633, 42.430



54, 98.633, 92.430



54, 98.633, 222.430



54, 98.633, 272.430

Sweetspot

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



54, 98.629, 42.432



83, 25.973, 36.990



57, 99.363, 336.340



42, 18.039, 37.122



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, 98.629, 42.432



55, 100.749, 42.422



74, 80.909, 75.147



49, 4.440, 36.723



41, 79.894, 42.813



11, 29.063, 35.261

Inverse Universe

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



76, 42.805, 231.218



78, 43.631, 231.388



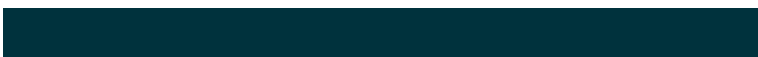
43, 97.543, 297.163



51, 4.178, 217.149



59, 34.768, 230.676



19, 15.715, 225.798

Previews

White Background



This preview shows how the CIELCh color 54, 98.633, 42.430 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, 98.633, 42.430 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, 98.633, 42.430

Background



This preview shows how black text looks on a background with the CIELCh color 54, 98.633, 42.430.



This preview shows how white text looks on a background with the CIELCh color 54, 98.633, 42.430.

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, 98.633, 42.430

Protanopia

54, 52.384, 95.333

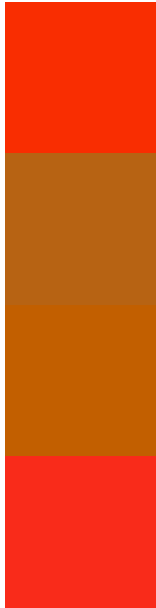
Deuteranopia

54, 60.115, 84.041



Tritanopia
54, 91.011, 35.628

Trichromacy



Original Color
54, 98.633, 42.430

Protanomaly
51, 61.684, 62.098

Deuteranomaly
51, 69.746, 59.613

Tritanomaly
54, 94.598, 39.031

Monochromacy



Original Color
54, 98.633, 42.430

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 37.280, 38.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 98.633, 42.430 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(249, 45, 1)` looks like.

```
.text, #text, p{  
    color:rgb(249, 45, 1)  
}
```

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(249, 45, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 45, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 98.633, 42.430 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(249, 45, 1) }
```

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

```
.border{ border-color:rgb(249, 45, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 45, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 45, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 45, 1);  
box-shadow:4px 4px 4px 4px rgb(249, 45, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 98.633, 42.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 45, 1) }
```

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

```
.background{ background-color: rgb(249, 45,  
1) }
```

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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