

Converting Colors

CIELCh(54, 84.754, 49.096)

Have a look what the booklet for
CIELCh(54, 84.754, 49.096) contains.

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Color

CIELCh(54, 84.798, 49.162)

Conversions

Conversions Part 1

Format	Color
Hex	E44F02
RGB	228, 79, 2
RGB Percent	89%, 31%, 1%
CMY	0.1075, 0.6915, 0.9940
CMYK	0.00, 0.65, 0.99, 0.11
HSL	20°, 99%, 45%
HSV	20°, 99%, 89%
XYZ	34.6476, 21.9746, 2.4593
YIQ	114.7730, 113.5210, 7.6410

Conversions

Conversions Part 2

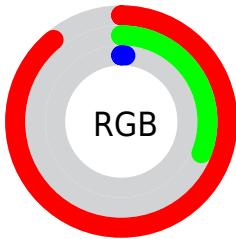
Format	Color
R_{YB}	228, 119, 2
Decimal	14962434
CIE _{Lab}	54.00, 55.45, 64.15
CIE _{LCh}	54, 84.798, 49.162
Yxy	21.9746, 0.5864, 0.3719
Android (android.graphics.Color)	4293152514 (0xFFE44F02)
YUV	114.7730, -55.5971, 99.3001
Hunter-Lab	46.8770, 49.8976, 29.7034

Details

The CIELCh color **54, 84.798, 49.162** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **59, 48.413, 263.821**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 69.964, 53.953**, and **34, 73.837, 40.854** is the 20% darker color. If you saturate the color by 10%, you get **54, 85.251, 49.074**, and if you desaturate by 10%, it is **57, 77.783, 50.786**.

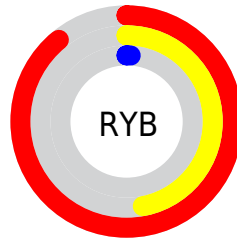
Distribution



Red (89%)

Green (31%)

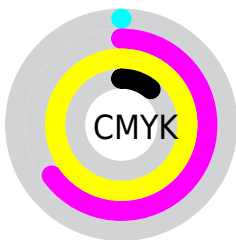
Blue (1%)



Red (89%)

Yellow (47%)

Blue (1%)

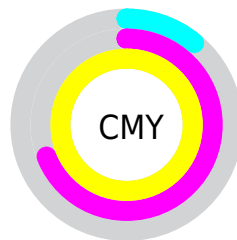


Cyan (0%)

Magenta (65%)

Yellow (99%)

Black (11%)



Cyan (11%)

Magenta (69%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 84.798, 49.162 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, 84.798, 49.162 by changing the saturation by 10% instead.

■ 54, 84.798, 49.162

■ 54, 84.798, 49.162

■ 100, 84.798,
49.162

■ 44, 84.798, 49.162

■ 74, 84.798, 49.162

■ 34, 84.798, 49.162

■ 84, 84.798, 49.162

■ 24, 84.798, 49.162

■ 94, 84.798, 49.162

■ 14, 84.798, 49.162

■ 4, 84.798, 49.162

■ 0, 84.798, 49.162

■ 54, 84.798, 49.162

■ 54, 84.798, 49.162

■ 54, 85.251, 49.074

■ 57, 77.783, 50.786

■ 59, 68.708, 51.683

63, 58.735, 52.203

66, 48.745, 52.647

70, 39.140, 53.137

74, 30.083, 53.710

78, 21.618, 54.365

82, 13.735, 55.084

86, 6.394, 55.827

Harmonies

Complementary

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



54, 84.798, 49.162



59, 48.413, 263.821

Rectangle

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



54, 84.798, 49.162



54, 84.798, 99.162



54, 84.798, 229.162



54, 84.798, 279.162

Sweetspot

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



54, 84.795, 49.164



86, 24.328, 54.306



50, 82.770, 347.612



44, 16.861, 54.021



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, 84.795, 49.164



60, 93.116, 48.850



78, 79.495, 90.609



46, 3.922, 55.817



43, 70.675, 49.650



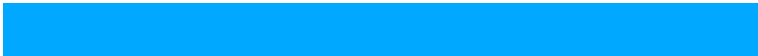
10, 21.808, 44.279

Inverse Universe

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



59, 48.413, 263.821



66, 53.222, 264.512



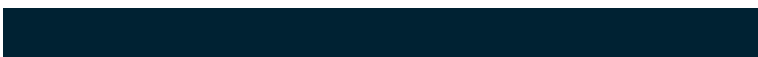
32, 111.624, 303.612



46, 3.747, 237.631



47, 40.155, 263.257



12, 15.435, 253.829

Previews

White Background



This preview shows how the CIELCh color 54, 84.798, 49.162 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, 84.798, 49.162 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, 84.798, 49.162

Background



This preview shows how black text looks on a background with the CIELCh color 54, 84.798, 49.162.



This preview shows how white text looks on a background with the CIELCh color 54, 84.798, 49.162.

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, 84.798, 49.162

Protanopia

54, 54.287, 95.376

Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 68.387, 28.272

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 84.798, 49.162 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(228, 79, 2)` looks like.

```
.text, #text, p{  
    color:rgb(228, 79, 2)  
}
```

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(228, 79, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 79, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 84.798, 49.162 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(228, 79, 2) }
```

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

```
.border{ border-color:rgb(228, 79, 2) }
```

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

Here you see how a box with a 4 pixel rgb(228, 79, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 79, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 79, 2);  
box-shadow:4px 4px 4px 4px rgb(228, 79, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 84.798, 49.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 79, 2) }
```

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

```
.background{ background-color: rgb(228, 79,  
2) }
```

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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