

Converting Colors

CIELCh(54, 84.410, 49.473)

Have a look what the booklet for
CIELCh(54, 84.410, 49.473) contains.

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Color

CIELCh(54, 84.385, 49.604)

Conversions

Conversions Part 1

Format	Color
Hex	E35001
RGB	227, 80, 1
RGB Percent	89%, 31%, 0%
CMY	0.1111, 0.6873, 0.9976
CMYK	0.00, 0.65, 1.00, 0.11
HSL	21°, 99%, 45%
HSV	21°, 100%, 89%
XYZ	34.4257, 21.9746, 2.4448
YIQ	114.9470, 112.9710, 6.5950

Conversions

Conversions Part 2

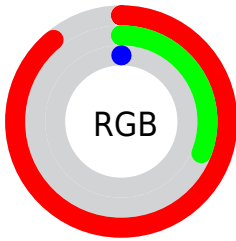
Format	Color
R_{YB}	227, 122, 1
Decimal	14897153
CIE _{Lab}	54.00, 54.69, 64.27
CIE _{LCh}	54, 84.385, 49.604
Y _{xy}	21.9746, 0.5850, 0.3734
Android (android.graphics.Color)	4293087233 (0xFFE35001)
YUV	114.9470, -56.1759, 98.2705
Hunter-Lab	46.8770, 49.0525, 29.7217

Details

The CIELCh color **54, 84.385, 49.604** 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, 49.200, 265.445**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 70.177, 54.622**, and **34, 73.167, 41.162** is the 20% darker color. If you saturate the color by 10%, you get **54, 84.566, 49.568**, and if you desaturate by 10%, it is **57, 77.513, 51.313**.

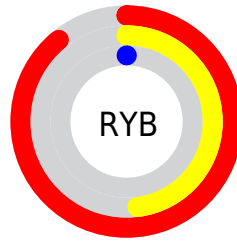
Distribution



Red (89%)

Green (31%)

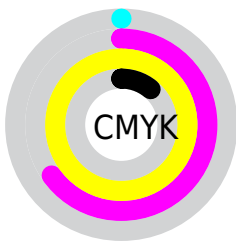
Blue (0%)



Red (89%)

Yellow (48%)

Blue (0%)

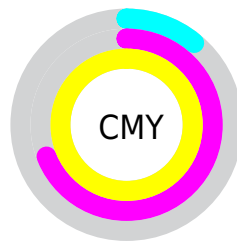


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 84.385, 49.604 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, 84.385, 49.604 by changing the saturation by 10% instead.

54, 84.385, 49.604

54, 84.385, 49.604

100, 84.385,
49.604

44, 84.385, 49.604

74, 84.385, 49.604

34, 84.385, 49.604

84, 84.385, 49.604

24, 84.385, 49.604

94, 84.385, 49.604

14, 84.385, 49.604

4, 84.385, 49.604

0, 84.385, 49.604

54, 84.385, 49.604

54, 84.385, 49.604

54, 84.566, 49.568

57, 77.513, 51.313

59, 68.613, 52.321

63, 58.760, 52.928

66, 48.853, 53.442

70, 39.307, 53.991

74, 30.291, 54.614

78, 21.855, 55.313

82, 13.989, 56.072

86, 6.658, 56.852

Harmonies

Complementary

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



54, 84.385, 49.604



59, 49.200, 265.445

Rectangle

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



54, 84.385, 49.604



54, 84.385, 99.604



54, 84.385, 229.604



54, 84.385, 279.604

Sweetspot

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



54, 84.382, 49.606



86, 24.309, 55.279



50, 82.528, 347.698



44, 16.843, 54.975



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, 84.382, 49.606



60, 92.660, 49.331



78, 79.316, 90.561



45, 3.852, 56.874



42, 69.562, 50.183



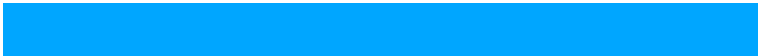
9, 20.432, 44.306

Inverse Universe

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



59, 49.200, 265.445



65, 54.125, 265.950



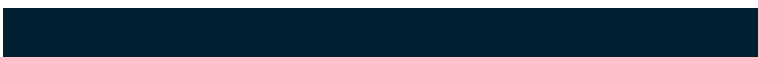
32, 111.613, 303.685



45, 3.684, 238.744



46, 40.349, 264.636



11, 15.040, 254.607

Previews

White Background



This preview shows how the CIELCh color 54, 84.385, 49.604 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, 84.385, 49.604 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, 84.385, 49.604

Background



This preview shows how black text looks on a background with the CIELCh color 54, 84.385, 49.604.



This preview shows how white text looks on a background with the CIELCh color 54, 84.385, 49.604.

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, 84.385, 49.604

Protanopia

54, 54.577, 95.382

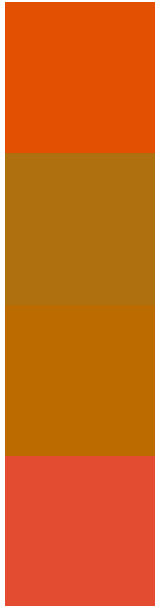
Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 67.515, 28.054

Trichromacy



Original Color
54, 84.385, 49.604

Protanomaly
53, 59.413, 72.227

Deuteranomaly
53, 65.949, 66.817

Tritanomaly
54, 74.376, 39.294

Monochromacy



Original Color
54, 84.385, 49.604

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 31.264, 53.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 84.385, 49.604 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(227, 80, 1)` looks like.

```
.text, #text, p{  
    color:rgb(227, 80, 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(227, 80, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 80, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 84.385, 49.604 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(227, 80, 1) }
```

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

```
.border{ border-color:rgb(227, 80, 1) }
```

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

Here you see how a box with a 4 pixel rgb(227, 80, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 80, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 80, 1);  
box-shadow:4px 4px 4px 4px rgb(227, 80, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 84.385, 49.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 80, 1) }
```

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

```
.background{ background-color: rgb(227, 80,  
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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