

Converting Colors

CIELCh(54, 82.622, 51.215)

Have a look what the booklet for
CIELCh(54, 82.622, 51.215) contains.

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Color

CIELCh(54, 82.263, 51.176)

Conversions

Conversions Part 1

Format	Color
Hex	DF5400
RGB	223, 84, 0
RGB Percent	87%, 33%, 0%
CMY	0.1262, 0.6712, 1.0000
CMYK	0.00, 0.62, 1.00, 0.13
HSL	23°, 100%, 44%
HSV	23°, 100%, 87%
XYZ	33.5312, 21.9746, 2.4679
YIQ	115.9850, 109.8080, 3.3440

Conversions

Conversions Part 2

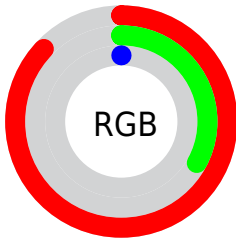
Format	Color
RYB	223, 135, 0
Decimal	14636032
CIELab	54.00, 51.57, 64.09
CIElCh	54, 82.263, 51.176
Yxy	21.9746, 0.5784, 0.3790
Android (android.graphics.Color)	4292826112 (0xFFDF5400)
YUV	115.9850, -57.1806, 93.8522
Hunter-Lab	46.8770, 45.6466, 29.6925

Details

The CIELCh color **54, 82.263, 51.176** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **56, 51.219, 269.627**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.825, 55.923**, and **34, 70.512, 42.459** is the 20% darker color. If you saturate the color by 10%, you get **54, 82.225, 51.157**, and if you desaturate by 10%, it is **56, 75.690, 53.089**.

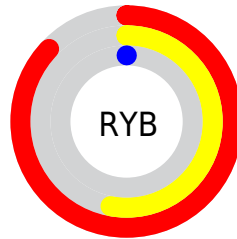
Distribution



Red (87%)

Green (33%)

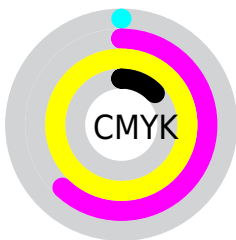
Blue (0%)



Red (87%)

Yellow (53%)

Blue (0%)

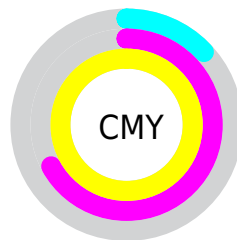


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 82.263, 51.176 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, 82.263, 51.176 by changing the saturation by 10% instead.

■ 54, 82.263, 51.176

■ 54, 82.263, 51.176

■ 100, 82.263,
51.176

■ 44, 82.263, 51.176

■ 74, 82.263, 51.176

■ 34, 82.263, 51.176

■ 84, 82.263, 51.176

■ 24, 82.263, 51.176

■ 94, 82.263, 51.176

■ 14, 82.263, 51.176

■ 4, 82.263, 51.176

■ 0, 82.263, 51.176

■ 54, 82.263, 51.176

■ 54, 82.263, 51.176

■ 54, 82.225, 51.157

■ 56, 75.690, 53.089

■ 59, 67.214, 54.356

62, 57.732, 55.195

66, 48.133, 55.911

69, 38.840, 56.633

73, 30.031, 57.406

77, 21.758, 58.236

81, 14.018, 59.111

85, 6.778, 59.997

Harmonies

Complementary

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



54, 82.263, 51.176



56, 51.219, 269.627

Rectangle

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



54, 82.263, 51.176



54, 82.263, 101.176



54, 82.263, 231.176



54, 82.263, 281.176

Sweetspot

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



54, 82.225, 51.157



87, 24.293, 58.217



49, 80.014, 350.457



44, 16.819, 57.858



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, 82.225, 51.157



61, 91.289, 50.871



78, 79.827, 93.292



45, 3.864, 60.044



43, 68.557, 51.759



10, 20.186, 46.892

Inverse Universe

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



56, 51.219, 269.627



63, 57.039, 270.047



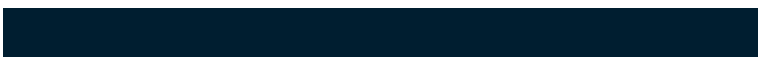
30, 113.411, 304.511



45, 3.709, 242.080



45, 42.439, 268.748



10, 15.580, 258.685

Previews

White Background



This preview shows how the CIELCh color 54, 82.263, 51.176 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, 82.263, 51.176 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, 82.263, 51.176

Background



This preview shows how black text looks on a background with the CIELCh color 54, 82.263, 51.176.



This preview shows how white text looks on a background with the CIELCh color 54, 82.263, 51.176.

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, 82.263, 51.176

Protanopia

54, 54.858, 95.386

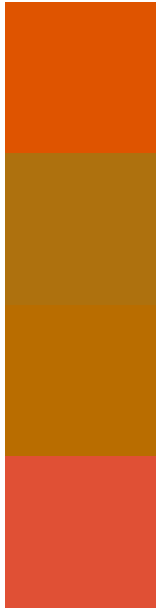
Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 64.205, 26.779

Trichromacy



Original Color
54, 82.263, 51.176

Protanomaly
53, 59.359, 73.247

Deuteranomaly
53, 65.186, 68.394

Tritanomaly
54, 71.010, 39.623

Monochromacy



Original Color
54, 82.263, 51.176

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 30.330, 55.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 82.263, 51.176 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(223, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 84, 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(223, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 84, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 82.263, 51.176 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(223, 84, 0) }
```

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

```
.border{ border-color:rgb(223, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 82.263, 51.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 84, 0) }
```

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

```
.background{ background-color: rgb(223, 84,  
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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