

Converting Colors

CIELCh(54, 81.384, 51.942)

Have a look what the booklet for
CIELCh(54, 81.384, 51.942) contains.

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Color

CIELCh(54, 81.126, 51.975)

Conversions

Conversions Part 1

Format	Color
Hex	DD5600
RGB	221, 86, 0
RGB Percent	87%, 34%, 0%
CMY	0.1340, 0.6633, 1.0000
CMYK	0.00, 0.61, 1.00, 0.13
HSL	23°, 100%, 43%
HSV	23°, 100%, 87%
XYZ	33.0780, 21.9746, 2.4919
YIQ	116.5610, 108.0660, 1.8740

Conversions

Conversions Part 2

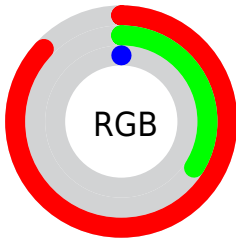
Format	Color
RYB	221, 141, 0
Decimal	14505472
CIELab	54.00, 49.97, 63.91
CIELCh	54, 81.126, 51.975
Yxy	21.9746, 0.5748, 0.3819
Android (android.graphics.Color)	4292695552 (0xFFDD5600)
YUV	116.5610, -57.4646, 91.5930
Hunter-Lab	46.8770, 43.9206, 29.6622

Details

The CIELCh color **54, 81.126, 51.975** 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 **55, 52.148, 271.417**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.611, 56.803**, and **34, 69.115, 43.251** is the 20% darker color. If you saturate the color by 10%, you get **54, 81.089, 51.956**, and if you desaturate by 10%, it is **56, 74.708, 53.984**.

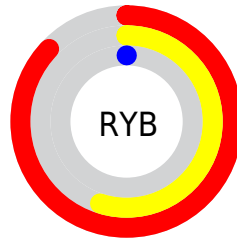
Distribution



Red (87%)

Green (34%)

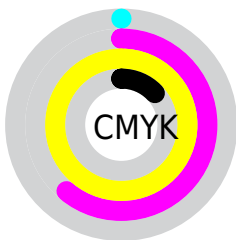
Blue (0%)



Red (87%)

Yellow (55%)

Blue (0%)

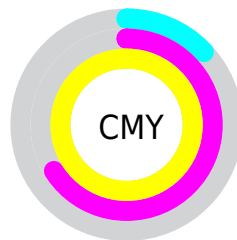


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 81.126, 51.975 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, 81.126, 51.975 by changing the saturation by 10% instead.

■ 54, 81.126, 51.975

■ 54, 81.126, 51.975

■ 100, 81.126,
51.975

■ 44, 81.126, 51.975

■ 74, 81.126, 51.975

■ 34, 81.126, 51.975

■ 84, 81.126, 51.975

■ 24, 81.126, 51.975

■ 94, 81.126, 51.975

■ 14, 81.126, 51.975

■ 4, 81.126, 51.975

■ 0, 81.126, 51.975

■ 54, 81.126, 51.975

■ 54, 81.126, 51.975

■ 54, 81.089, 51.956

■ 56, 74.708, 53.984

■ 59, 66.420, 55.356

62, 57.116, 56.295

66, 47.670, 57.099

69, 38.506, 57.898

73, 29.801, 58.738

76, 21.613, 59.627

80, 13.937, 60.552

84, 6.745, 61.484

Harmonies

Complementary

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



54, 81.126, 51.975



55, 52.148, 271.417

Rectangle

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



54, 81.126, 51.975



54, 81.126, 101.975



54, 81.126, 231.975



54, 81.126, 281.975

Sweetspot

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



54, 81.089, 51.956



87, 24.309, 59.605



48, 78.828, 351.853



44, 16.823, 59.222



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, 81.089, 51.956



62, 90.650, 51.645



79, 80.101, 94.620



44, 3.801, 61.535



43, 67.334, 52.590



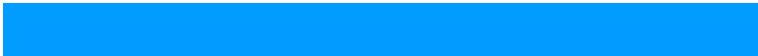
9, 18.787, 47.360

Inverse Universe

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



55, 52.148, 271.417



62, 58.509, 271.863



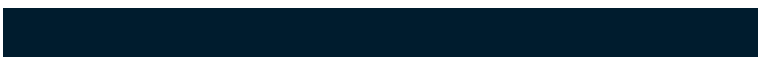
29, 113.947, 304.839



44, 3.656, 243.637



43, 42.992, 270.515



9, 15.235, 259.829

Previews

White Background



This preview shows how the CIELCh color 54, 81.126, 51.975 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, 81.126, 51.975 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, 81.126, 51.975

Background



This preview shows how black text looks on a background with the CIELCh color 54, 81.126, 51.975.



This preview shows how white text looks on a background with the CIELCh color 54, 81.126, 51.975.

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, 81.126, 51.975

Protanopia

54, 54.858, 95.386

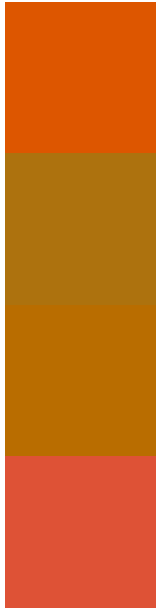
Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 62.443, 26.328

Trichromacy



Original Color
54, 81.126, 51.975

Protanomaly
53, 59.109, 74.195

Deuteranomaly
53, 65.186, 68.394

Tritanomaly
54, 69.455, 40.006

Monochromacy



Original Color
54, 81.126, 51.975

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 29.898, 57.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 81.126, 51.975 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(221, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 86, 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(221, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 86, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 81.126, 51.975 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(221, 86, 0) }
```

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

```
.border{ border-color:rgb(221, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 81.126, 51.975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 86, 0) }
```

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

```
.background{ background-color: rgb(221, 86,  
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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