

Converting Colors

CIELCh(54, 78.840, 52.060)

Have a look what the booklet for
CIELCh(54, 78.840, 52.060) contains.

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Color

CIELCh(54, 78.884, 52.143)

Conversions

Conversions Part 1

Format	Color
Hex	DB5807
RGB	219, 88, 7
RGB Percent	86%, 35%, 3%
CMY	0.1423, 0.6558, 0.9740
CMYK	0.00, 0.60, 0.97, 0.14
HSL	23°, 94%, 44%
HSV	23°, 97%, 86%
XYZ	32.6388, 21.9746, 2.7119
YIQ	117.9350, 104.0770, 2.5810

Conversions

Conversions Part 2

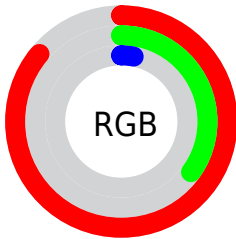
Format	Color
R_{YB}	219, 138, 7
Decimal	14374919
CIE _{Lab}	54.00, 48.41, 62.28
CIE _{LCh}	54, 78.884, 52.143
Yxy	21.9746, 0.5694, 0.3833
Android (android.graphics.Color)	4292564999 (0xFFDB5807)
YUV	117.9350, -54.6910, 88.6340
Hunter-Lab	46.8770, 42.2483, 29.3839

Details

The CIELCh color **54, 78.884, 52.143** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **55, 49.854, 268.984**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.023, 56.784**, and **34, 68.025, 44.143** is the 20% darker color. If you saturate the color by 10%, you get **53, 80.775, 51.585**, and if you desaturate by 10%, it is **57, 72.012, 54.018**.

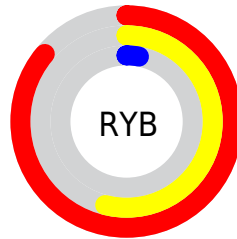
Distribution



Red (86%)

Green (35%)

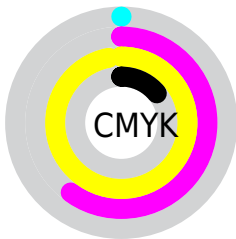
Blue (3%)



Red (86%)

Yellow (54%)

Blue (3%)

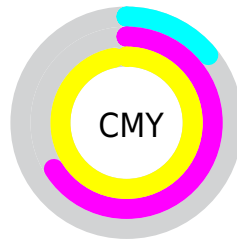


Cyan (0%)

Magenta (60%)

Yellow (97%)

Black (14%)



Cyan (14%)

Magenta (66%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 78.884, 52.143 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, 78.884, 52.143 by changing the saturation by 10% instead.

 54, 78.884, 52.143

 54, 78.884, 52.143

 100, 78.884,
52.143

 44, 78.884, 52.143

 74, 78.884, 52.143

 34, 78.884, 52.143

 84, 78.884, 52.143

 24, 78.884, 52.143

 94, 78.884, 52.143

 14, 78.884, 52.143

 4, 78.884, 52.143

 0, 78.884, 52.143

 54, 78.884, 52.143

 54, 78.884, 52.143

 53, 80.775, 51.585

 57, 72.012, 54.018

 59, 63.285, 55.157

63, 53.891, 55.984

66, 44.537, 56.735

69, 35.546, 57.508

73, 27.046, 58.331

77, 19.069, 59.204

81, 11.602, 60.112

85, 4.608, 61.001

Harmonies

Complementary

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



54, 78.884, 52.143



55, 49.854, 268.984

Rectangle

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



54, 78.884, 52.143



54, 78.884, 102.143



54, 78.884, 232.143



54, 78.884, 282.143

Sweetspot

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



54, 78.881, 52.145



87, 23.409, 59.000



48, 78.815, 349.626



45, 16.299, 58.623



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, 78.881, 52.145



62, 90.969, 51.254



77, 78.243, 93.613



44, 3.796, 60.792



43, 67.563, 52.192



9, 18.837, 46.708

Inverse Universe

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



55, 49.854, 268.984



63, 57.767, 270.965



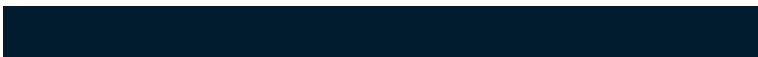
30, 109.300, 303.963



44, 3.647, 242.859



44, 42.465, 269.611



9, 15.102, 258.914

Previews

White Background



This preview shows how the CIELCh color 54, 78.884, 52.143 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, 78.884, 52.143 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, 78.884, 52.143

Background



This preview shows how black text looks on a background with the CIELCh color 54, 78.884, 52.143.



This preview shows how white text looks on a background with the CIELCh color 54, 78.884, 52.143.

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, 78.884, 52.143

Protanopia

54, 54.577, 95.382

Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 60.672, 25.877

Trichromacy



Original Color
54, 78.884, 52.143

Protanomaly
53, 58.209, 74.921

Deuteranomaly
53, 64.465, 69.057

Tritanomaly
54, 66.992, 39.353

Monochromacy



Original Color
54, 78.884, 52.143

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 28.566, 56.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 78.884, 52.143 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(219, 88, 7)` looks like.

```
.text, #text, p{  
    color:rgb(219, 88, 7)  
}
```

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(219, 88, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 88, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 78.884, 52.143 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(219, 88, 7) }
```

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

```
.border{ border-color:rgb(219, 88, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 88, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 88, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 88, 7);  
box-shadow:4px 4px 4px 4px rgb(219, 88, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 78.884, 52.143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 88, 7) }
```

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

```
.background{ background-color: rgb(219, 88,  
7) }
```

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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