

Converting Colors

CIELCh(54, 77.667, 45.767)

Have a look what the booklet for
CIELCh(54, 77.667, 45.767) contains.

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Color

CIELCh(54, 77.580, 45.917)

Conversions

Conversions Part 1

Format	Color
Hex	E1511F
RGB	225, 81, 31
RGB Percent	88%, 32%, 12%
CMY	0.1179, 0.6825, 0.8786
CMYK	0.00, 0.64, 0.86, 0.12
HSL	15°, 76%, 50%
HSV	15°, 86%, 88%
XYZ	34.2190, 21.9746, 3.7311
YIQ	118.3560, 101.8740, 14.9780

Conversions

Conversions Part 2

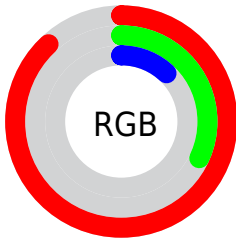
Format	Color
R_{YB}	225, 98, 31
Decimal	14766367
CIE _{Lab}	54.00, 53.97, 55.73
CIE _{LCh}	54, 77.580, 45.917
Yxy	21.9746, 0.5710, 0.3667
Android (android.graphics.Color)	4292956447 (0xFFE1511F)
YUV	118.3560, -43.0665, 93.5268
Hunter-Lab	46.8770, 48.2655, 28.0948

Details

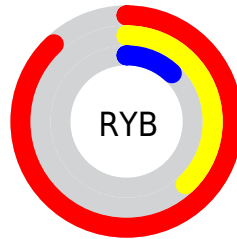
The CIELCh color **54, 77.580, 45.917** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **67, 39.731, 242.289**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 63.875, 50.119**, and **34, 72.204, 41.407** is the 20% darker color. If you saturate the color by 10%, you get **52, 85.689, 45.400**, and if you desaturate by 10%, it is **57, 67.549, 45.734**.

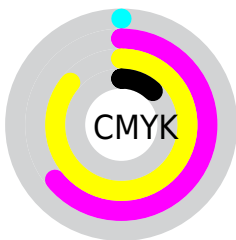
Distribution



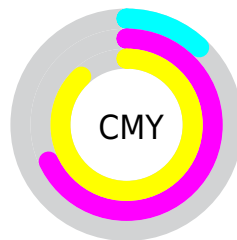
- Red (88%)
- Green (32%)
- Blue (12%)



- Red (88%)
- Yellow (38%)
- Blue (12%)



- Cyan (0%)
- Magenta (64%)
- Yellow (86%)
- Black (12%)



- Cyan (12%)
- Magenta (68%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 77.580, 45.917 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, 77.580, 45.917 by changing the saturation by 10% instead.

 54, 77.580, 45.917

 54, 77.580, 45.917

 100, 77.580,
45.917

 44, 77.580, 45.917

 74, 77.580, 45.917

 34, 77.580, 45.917

 84, 77.580, 45.917

 24, 77.580, 45.917

 94, 77.580, 45.917

 14, 77.580, 45.917

 4, 77.580, 45.917

 0, 77.580, 45.917

 54, 77.580, 45.917

 54, 77.580, 45.917

 52, 85.689, 45.400

 57, 67.549, 45.734

 51, 88.305, 45.183

 60, 57.034, 45.391

64, 46.736, 45.131

68, 36.958, 45.030

73, 27.815, 45.091

77, 19.333, 45.294

82, 11.491, 45.601

87, 4.242, 45.934

91, 2.468, 226.785

Harmonies

Complementary

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



54, 77.580, 45.917



67, 39.731, 242.289

Rectangle

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



54, 77.580, 45.917



54, 77.580, 95.917



54, 77.580, 225.917



54, 77.580, 275.917

Sweetspot

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



54, 77.577, 45.919



86, 21.204, 45.295



52, 85.127, 339.613



44, 14.580, 45.210



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, 77.577, 45.919



57, 97.330, 44.982



74, 72.447, 85.685



45, 3.903, 45.839



40, 73.061, 45.665



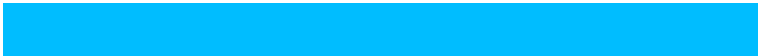
8, 21.537, 36.297

Inverse Universe

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



67, 39.731, 242.289



72, 46.451, 248.884



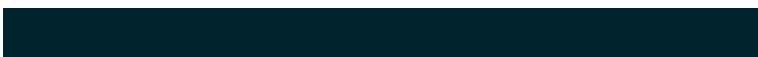
40, 87.076, 296.806



46, 3.694, 226.984



51, 34.909, 247.659



12, 13.786, 238.841

Previews

White Background



This preview shows how the CIELCh color 54, 77.580, 45.917 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, 77.580, 45.917 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, 77.580, 45.917

Background



This preview shows how black text looks on a background with the CIELCh color 54, 77.580, 45.917.



This preview shows how white text looks on a background with the CIELCh color 54, 77.580, 45.917.

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, 77.580, 45.917

Protanopia

54, 47.313, 95.700

Deuteranopia

54, 60.295, 83.616



Tritanopia
54, 65.764, 27.618

Trichromacy



Original Color
54, 77.580, 45.917

Protanomaly
53, 51.716, 69.157

Deuteranomaly
53, 63.640, 66.747

Tritanomaly
54, 69.694, 35.757

Monochromacy



Original Color
54, 77.580, 45.917

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 26.629, 45.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 77.580, 45.917 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(225, 81, 31)` looks like.

```
.text, #text, p{  
    color:rgb(225, 81, 31)  
}
```

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(225, 81, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 81, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 77.580, 45.917 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(225, 81, 31) }
```

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

```
.border{ border-color:rgb(225, 81, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 81, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 81, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 81, 31);  
box-shadow:4px 4px 4px 4px rgb(225, 81,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 77.580, 45.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 81, 31) }
```

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

```
.background{ background-color: rgb(225, 81,  
31) }
```

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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