

Converting Colors

CIELCh(55, 88.843, 48.096)

Have a look what the booklet for
CIELCh(55, 88.843, 48.096) contains.

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Color

CIELCh(55, 88.618, 47.990)

Conversions

Conversions Part 1

Format	Color
Hex	EC4C00
RGB	236, 76, 0
RGB Percent	93%, 30%, 0%
CMY	0.0755, 0.7028, 1.0000
CMYK	0.00, 0.68, 1.00, 0.08
HSL	19°, 100%, 46%
HSV	19°, 100%, 92%
XYZ	37.0792, 22.9298, 2.4637
YIQ	115.1760, 119.7560, 10.2840

Conversions

Conversions Part 2

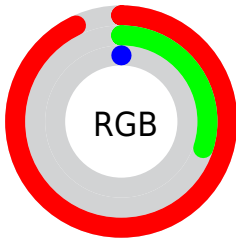
Format	Color
RYB	236, 112, 0
Decimal	15485952
CIELab	55.00, 59.31, 65.85
CIElCh	55, 88.618, 47.990
Yxy	22.9298, 0.5935, 0.3670
Android (android.graphics.Color)	4293676032 (0xFFEC4C00)
YUV	115.1760, -56.7818, 105.9626
Hunter-Lab	47.8851, 54.4203, 30.4691

Details

The CIELCh color **55, 88.618, 47.990** 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 **63, 48.236, 260.892**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 70.563, 53.344**, and **35, 77.401, 39.901** is the 20% darker color. If you saturate the color by 10%, you get **55, 88.573, 47.965**, and if you desaturate by 10%, it is **58, 81.391, 49.433**.

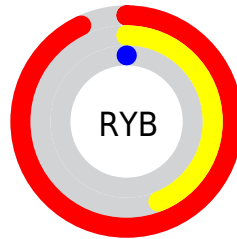
Distribution



Red (93%)

Green (30%)

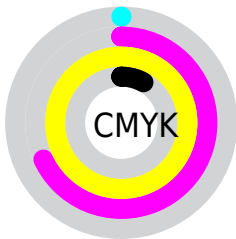
Blue (0%)



Red (93%)

Yellow (44%)

Blue (0%)

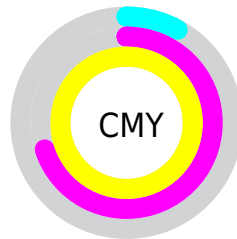


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 88.618, 47.990 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 55, 88.618, 47.990 by changing the saturation by 10% instead.

55, 88.618, 47.990

55, 88.618, 47.990

100, 88.618,
47.990

45, 88.618, 47.990

75, 88.618, 47.990

35, 88.618, 47.990

85, 88.618, 47.990

25, 88.618, 47.990

95, 88.618, 47.990

15, 88.618, 47.990

5, 88.618, 47.990

0, 88.618, 47.990

55, 88.618, 47.990

55, 88.618, 47.990

55, 88.573, 47.965

58, 81.391, 49.433

60, 72.008, 50.181

64, 61.615, 50.529

67, 51.182, 50.807

71, 41.151, 51.148

76, 31.701, 51.590

80, 22.884, 52.130

84, 14.688, 52.750

89, 7.076, 53.407

Harmonies

Complementary

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



55, 88.618, 47.990



63, 48.236, 260.892

Rectangle

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



55, 88.618, 47.990



55, 88.618, 97.990



55, 88.618, 227.990



55, 88.618, 277.990

Sweetspot

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



55, 88.573, 47.965



86, 24.399, 52.123



52, 85.832, 346.506



44, 16.918, 51.884



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 88.573, 47.965



59, 94.140, 47.820



79, 81.044, 89.064



47, 3.996, 53.441



43, 72.227, 48.552



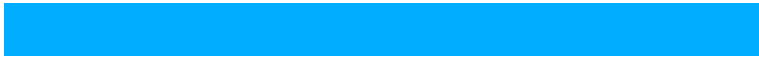
10, 23.301, 43.252

Inverse Universe

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



63, 48.236, 260.892



67, 51.313, 261.133



34, 113.634, 303.331



47, 3.807, 235.115



49, 39.207, 259.938



13, 15.608, 251.135

Previews

White Background



This preview shows how the CIELCh color 55, 88.618, 47.990 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 55, 88.618, 47.990 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 55, 88.618, 47.990

Background



This preview shows how black text looks on a background with the CIELCh color 55, 88.618, 47.990.



This preview shows how white text looks on a background with the CIELCh color 55, 88.618, 47.990.

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

55, 88.618, 47.990

Protanopia

55, 55.104, 95.539

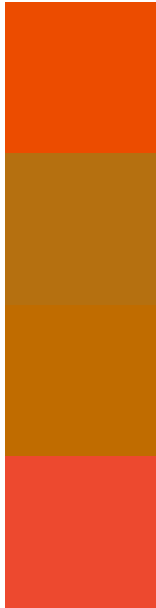
Deuteranopia

55, 61.188, 83.990



Tritanopia
55, 72.712, 29.467

Trichromacy



Original Color
55, 88.618, 47.990

Protanomaly
53, 60.932, 70.023

Deuteranomaly
54, 67.435, 65.873

Tritanomaly
55, 79.444, 39.242

Monochromacy



Original Color
55, 88.618, 47.990

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 32.588, 51.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 88.618, 47.990 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(236, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 76, 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(236, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 76, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 88.618, 47.990 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(236, 76, 0) }
```

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

```
.border{ border-color:rgb(236, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 88.618, 47.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 76, 0) }
```

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

```
.background{ background-color: rgb(236, 76,  
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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