

Converting Colors

CIELCh(55, 90.413, 44.553)

Have a look what the booklet for
CIELCh(55, 90.413, 44.553) contains.

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Color

CIELCh(55, 90.491, 44.449)

Conversions

Conversions Part 1

Format	Color
Hex	F2430E
RGB	242, 67, 14
RGB Percent	95%, 26%, 5%
CMY	0.0509, 0.7371, 0.9450
CMYK	0.00, 0.72, 0.94, 0.05
HSL	14°, 90%, 50%
HSV	14°, 94%, 95%
XYZ	38.7135, 22.9298, 2.8017
YIQ	113.2830, 121.3130, 20.6170

Conversions

Conversions Part 2

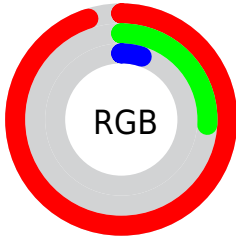
Format	Color
R_{YB}	242, 83, 14
Decimal	15876878
CIE _{Lab}	55.00, 64.60, 63.37
CIE _{LCh}	55, 90.491, 44.449
Yxy	22.9298, 0.6007, 0.3558
Android (android.graphics.Color)	4294066958 (0xFFFF2430E)
YUV	113.2830, -48.9465, 112.8848
Hunter-Lab	47.8851, 60.5125, 30.0506

Details

The CIELCh color **55, 90.491, 44.449** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **71, 42.588, 240.837**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 69.453, 49.257**, and **36, 79.131, 39.953** is the 20% darker color. If you saturate the color by 10%, you get **54, 94.585, 44.133**, and if you desaturate by 10%, it is **58, 81.317, 44.492**.

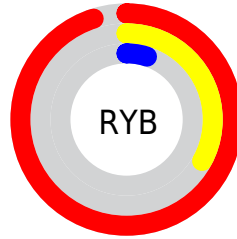
Distribution



Red (95%)

Green (26%)

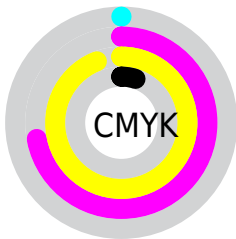
Blue (5%)



Red (95%)

Yellow (33%)

Blue (5%)

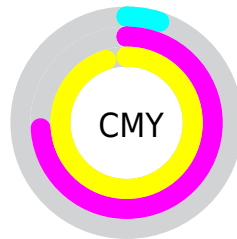


Cyan (0%)

Magenta (72%)

Yellow (94%)

Black (5%)



Cyan (5%)

Magenta (74%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 90.491, 44.449 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, 90.491, 44.449 by changing the saturation by 10% instead.

55, 90.491, 44.449

55, 90.491, 44.449

100, 90.491,
44.449

45, 90.491, 44.449

75, 90.491, 44.449

35, 90.491, 44.449

85, 90.491, 44.449

25, 90.491, 44.449

95, 90.491, 44.449

15, 90.491, 44.449

5, 90.491, 44.449

0, 90.491, 44.449

55, 90.491, 44.449

55, 90.491, 44.449

54, 94.585, 44.133

58, 81.317, 44.492

61, 70.369, 43.947

65, 59.069, 43.341

69, 48.078, 42.877

73, 37.677, 42.609

78, 27.973, 42.528

83, 18.987, 42.602

88, 10.693, 42.790

93, 3.039, 42.956

Harmonies

Complementary

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



55, 90.491, 44.449



71, 42.588, 240.837

Rectangle

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



55, 90.491, 44.449



55, 90.491, 94.449



55, 90.491, 224.449



55, 90.491, 274.449

Sweetspot

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



55, 90.488, 44.451



85, 23.287, 42.557



55, 93.516, 338.698



43, 16.369, 42.531



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, 90.488, 44.451



57, 98.497, 44.059



76, 78.599, 81.188



47, 4.163, 42.896



41, 76.416, 44.602



10, 25.740, 37.149

Inverse Universe

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



71, 42.588, 240.837



74, 45.144, 243.549



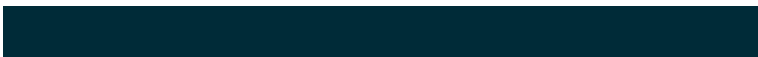
41, 96.896, 297.896



49, 3.931, 223.822



55, 35.118, 242.552



16, 14.987, 235.592

Previews

White Background



This preview shows how the CIELCh color 55, 90.491, 44.449 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, 90.491, 44.449 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, 90.491, 44.449

Background



This preview shows how black text looks on a background with the CIELCh color 55, 90.491, 44.449.



This preview shows how white text looks on a background with the CIELCh color 55, 90.491, 44.449.

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, 90.491, 44.449

Protanopia

55, 52.469, 95.434

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 78.967, 31.365

Trichromacy



Original Color
55, 90.491, 44.449

Protanomaly
53, 59.058, 66.380

Deuteranomaly
53, 67.637, 63.086

Tritanomaly
55, 83.829, 37.535

Monochromacy



Original Color
55, 90.491, 44.449

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 32.443, 42.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 90.491, 44.449 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(242, 67, 14)` looks like.

```
.text, #text, p{  
    color:rgb(242, 67, 14)  
}
```

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(242, 67, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 67, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 90.491, 44.449 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(242, 67, 14) }
```

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

```
.border{ border-color:rgb(242, 67, 14) }
```

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

Here you see how a box with a 4 pixel rgb(242, 67, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 67, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 67, 14);  
box-shadow:4px 4px 4px 4px rgb(242, 67,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 90.491, 44.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 67, 14) }
```

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

```
.background{ background-color: rgb(242, 67,  
14) }
```

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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