

Converting Colors

CIELCh(55, 94.992, 44.746)

Have a look what the booklet for
CIELCh(55, 94.992, 44.746) contains.

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Color

CIELCh(55, 95.100, 44.664)

Conversions

Conversions Part 1

Format	Color
Hex	F63D00
RGB	246, 61, 0
RGB Percent	96%, 24%, 0%
CMY	0.0353, 0.7607, 1.0000
CMYK	0.00, 0.75, 1.00, 0.04
HSL	15°, 100%, 48%
HSV	15°, 100%, 96%
XYZ	39.6739, 22.9298, 2.3347
YIQ	109.3610, 129.8410, 20.2490

Conversions

Conversions Part 2

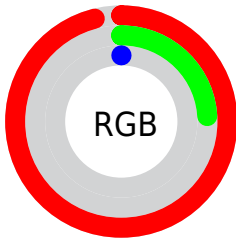
Format	Color
RYB	246, 81, 0
Decimal	16137472
CIELab	55.00, 67.64, 66.85
CIELCh	55, 95.100, 44.664
Yxy	22.9298, 0.6109, 0.3531
Android (android.graphics.Color)	4294327552 (0xFFFF63D00)
YUV	109.3610, -53.9150, 119.8324
Hunter-Lab	47.8851, 64.0925, 30.6288

Details

The CIELCh color **55, 95.100, 44.664** 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 **70, 44.645, 246.754**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.400, 49.539**, and **37, 80.493, 39.980** is the 20% darker color. If you saturate the color by 10%, you get **55, 95.096, 44.666**, and if you desaturate by 10%, it is **57, 87.453, 45.338**.

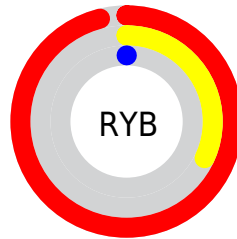
Distribution



Red (96%)

Green (24%)

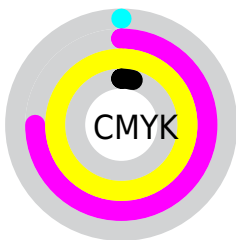
Blue (0%)



Red (96%)

Yellow (32%)

Blue (0%)

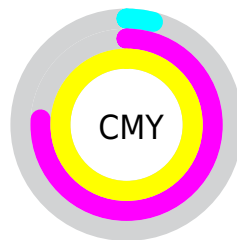


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 95.100, 44.664 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, 95.100, 44.664 by changing the saturation by 10% instead.

 55, 95.100, 44.664

 55, 95.100, 44.664

 100, 95.100,
44.664

 45, 95.100, 44.664

 75, 95.100, 44.664

 35, 95.100, 44.664

 85, 95.100, 44.664

 25, 95.100, 44.664

 95, 95.100, 44.664

 15, 95.100, 44.664

 5, 95.100, 44.664

 0, 95.100, 44.664

 55, 95.100, 44.664

 55, 95.100, 44.664

 55, 95.096, 44.666

 57, 87.453, 45.338

 60, 77.246, 45.243

64, 65.969, 44.810

68, 54.686, 44.403

72, 43.865, 44.152

77, 33.701, 44.079

82, 24.253, 44.168

87, 15.516, 44.385

92, 7.450, 44.680

Harmonies

Complementary

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



55, 95.100, 44.664



70, 44.645, 246.754

Rectangle

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



55, 95.100, 44.664



55, 95.100, 94.664



55, 95.100, 224.664



55, 95.100, 274.664

Sweetspot

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



55, 95.096, 44.666



84, 24.976, 44.167



55, 93.710, 340.529



43, 17.340, 44.112



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, 95.096, 44.666



57, 97.788, 44.613



78, 81.091, 81.445



48, 4.208, 44.696



42, 76.663, 45.157



11, 26.784, 38.926

Inverse Universe

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



70, 44.645, 246.754



73, 45.903, 246.853



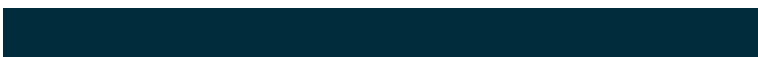
39, 106.845, 300.460



50, 3.978, 225.762



54, 36.043, 245.863



16, 15.562, 238.901

Previews

White Background



This preview shows how the CIELCh color 55, 95.100, 44.664 looks on a white background.

Color Contrast Check

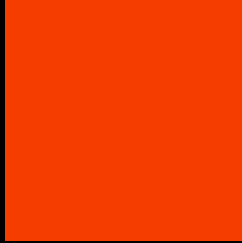
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.100, 44.664 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, 95.100, 44.664

Background



This preview shows how black text looks on a background with the CIELCh color 55, 95.100, 44.664.



This preview shows how white text looks on a background with the CIELCh color 55, 95.100, 44.664.

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, 95.100, 44.664

Protanopia

55, 53.888, 94.965

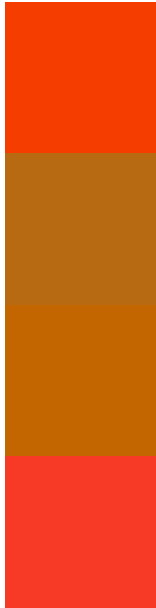
Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 83.428, 32.785

Trichromacy



Original Color
55, 95.100, 44.664

Protanomaly
52, 61.676, 65.610

Deuteranomaly
53, 69.423, 62.134

Tritanomaly
55, 88.842, 38.756

Monochromacy



Original Color
55, 95.100, 44.664

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 35.374, 44.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 95.100, 44.664 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(246, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 61, 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(246, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 61, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 95.100, 44.664 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(246, 61, 0) }
```

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

```
.border{ border-color:rgb(246, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 95.100, 44.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 61, 0) }
```

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

```
.background{ background-color: rgb(246, 61,  
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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