

Converting Colors

CIELCh(55, 96.927, 44.116)

Have a look what the booklet for
CIELCh(55, 96.927, 44.116) contains.

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Color

CIELCh(55, 96.508, 44.007)

Conversions

Conversions Part 1

Format	Color
Hex	F83900
RGB	248, 57, 0
RGB Percent	97%, 22%, 0%
CMY	0.0268, 0.7757, 0.9993
CMYK	0.00, 0.77, 1.00, 0.03
HSL	14°, 100%, 49%
HSV	14°, 100%, 97%
XYZ	40.2419, 22.9298, 2.3098
YIQ	107.6110, 132.1330, 22.7650

Conversions

Conversions Part 2

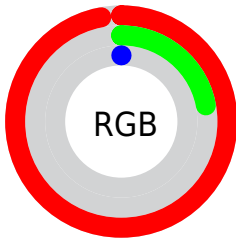
Format	Color
RYB	248, 74, 0
Decimal	16267520
CIELab	55.00, 69.41, 67.05
CIElCh	55, 96.508, 44.007
Yxy	22.9298, 0.6146, 0.3502
Android (android.graphics.Color)	4294457600 (0xFFFF83900)
YUV	107.6110, -53.0522, 123.1212
Hunter-Lab	47.8851, 66.2098, 30.6596

Details

The CIELCh color **55, 96.508, 44.007** 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 **72, 44.090, 242.886**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 73.230, 48.649**, and **38, 80.830, 39.985** is the 20% darker color. If you saturate the color by 10%, you get **55, 96.555, 44.008**, and if you desaturate by 10%, it is **57, 88.807, 44.468**.

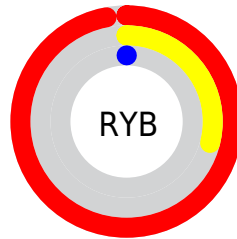
Distribution



Red (97%)

Green (22%)

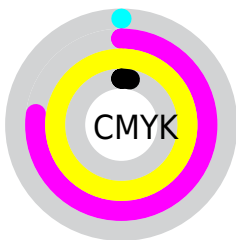
Blue (0%)



Red (97%)

Yellow (29%)

Blue (0%)

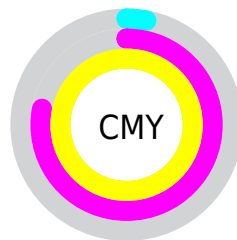


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (78%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 96.508, 44.007 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, 96.508, 44.007 by changing the saturation by 10% instead.

 55, 96.508, 44.007

 55, 96.508, 44.007

 100, 96.508,
44.007

 45, 96.508, 44.007

 75, 96.508, 44.007

 35, 96.508, 44.007

 85, 96.508, 44.007

 25, 96.508, 44.007

 95, 96.508, 44.007

 15, 96.508, 44.007

 5, 96.508, 44.007

 0, 96.508, 44.007

 55, 96.508, 44.007

 55, 96.508, 44.007

 55, 96.555, 44.008

 57, 88.807, 44.468

 60, 78.442, 44.141

64, 66.985, 43.499

68, 55.518, 42.912

72, 44.517, 42.506

77, 34.180, 42.300

82, 24.574, 42.272

87, 15.696, 42.386

92, 7.505, 42.587

Harmonies

Complementary

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



55, 96.508, 44.007



72, 44.090, 242.886

Rectangle

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



55, 96.508, 44.007



55, 96.508, 94.007



55, 96.508, 224.007



55, 96.508, 274.007

Sweetspot

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



55, 96.504, 44.009



84, 25.192, 42.272



56, 95.484, 339.431



43, 17.494, 42.264



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, 96.504, 44.009



56, 98.613, 43.970



77, 81.303, 79.871



49, 4.313, 42.596



42, 78.137, 44.456



11, 28.297, 38.368

Inverse Universe

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



72, 44.090, 242.886



74, 45.031, 242.988



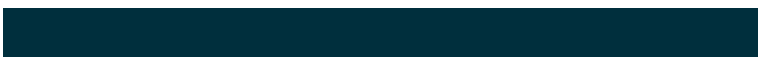
40, 105.125, 299.729



51, 4.071, 223.501



56, 35.773, 242.093



17, 15.862, 235.835

Previews

White Background



This preview shows how the CIELCh color 55, 96.508, 44.007 looks on a white background.

Color Contrast Check

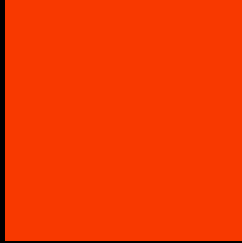
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.508, 44.007 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, 96.508, 44.007

Background



This preview shows how black text looks on a background with the CIELCh color 55, 96.508, 44.007.



This preview shows how white text looks on a background with the CIELCh color 55, 96.508, 44.007.

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, 96.508, 44.007

Protanopia

55, 53.565, 94.955

Deuteranopia

55, 61.071, 83.449



Tritanopia
55, 85.750, 33.618

Trichromacy



Original Color
55, 96.508, 44.007

Protanomaly
52, 61.837, 64.661

Deuteranomaly
53, 70.038, 61.042

Tritanomaly
55, 90.856, 38.965

Monochromacy



Original Color
55, 96.508, 44.007

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 35.771, 42.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 96.508, 44.007 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(248, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 57, 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(248, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 57, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 96.508, 44.007 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(248, 57, 0) }
```

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

```
.border{ border-color:rgb(248, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 96.508, 44.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 57, 0) }
```

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

```
.background{ background-color: rgb(248, 57,  
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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