

Converting Colors

CIELCh(57, 98.438, 44.105)

Have a look what the booklet for
CIELCh(57, 98.438, 44.105) contains.

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Color

CIELCh(57, 97.905, 44.108)

Conversions

Conversions Part 1

Format	Color
Hex	FF3E03
RGB	255, 62, 3
RGB Percent	100%, 24%, 1%
CMY	0.0000, 0.7565, 0.9873
CMYK	0.00, 0.76, 0.99, 0.00
HSL	14°, 100%, 51%
HSV	14°, 99%, 100%
XYZ	43.3765, 24.9227, 2.6171
YIQ	112.9810, 133.9670, 22.5670

Conversions

Conversions Part 2

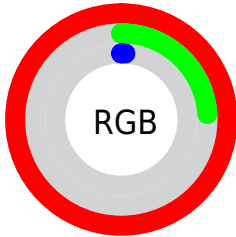
Format	Color
RYB	255, 80, 3
Decimal	16727555
CIELab	57.00, 70.30, 68.14
CIELCh	57, 97.905, 44.108
Yxy	24.9227, 0.6117, 0.3514
Android (android.graphics.Color)	4294917635 (0xFFFF3E03)
YUV	112.9810, -54.2206, 124.5507
Hunter-Lab	49.9226, 67.7295, 31.8376

Details

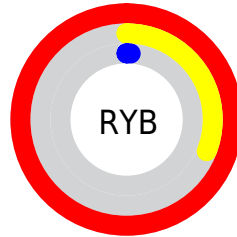
The CIELCh color **57, 97.905, 44.108** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **74, 45.018, 243.257**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.585, 49.408**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 98.439, 44.103**, and if you desaturate by 10%, it is **59, 89.458, 44.655**.

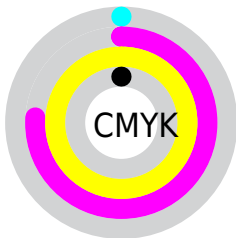
Distribution



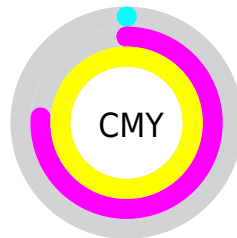
- Red (100%)
- Green (24%)
- Blue (1%)



- Red (100%)
- Yellow (31%)
- Blue (1%)



- Cyan (0%)
- Magenta (76%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 97.905, 44.108 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 57, 97.905, 44.108 by changing the saturation by 10% instead.

 57, 97.905, 44.108

 57, 97.905, 44.108

 100, 97.905,
44.108

 47, 97.905, 44.108

 77, 97.905, 44.108

 37, 97.905, 44.108

 87, 97.905, 44.108

 27, 97.905, 44.108

 97, 97.905, 44.108

 17, 97.905, 44.108

 7, 97.905, 44.108

 0, 97.905, 44.108

 57, 97.905, 44.108

 57, 97.905, 44.108

 57, 98.439, 44.103

 59, 89.458, 44.655

 62, 78.676, 44.314

66, 66.945, 43.709

70, 55.281, 43.177

75, 44.127, 42.826

80, 33.666, 42.670

85, 23.954, 42.685

90, 14.981, 42.835

95, 6.703, 43.059

Harmonies

Complementary

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



57, 97.905, 44.108



74, 45.018, 243.257

Rectangle

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



57, 97.905, 44.108



57, 97.905, 94.108



57, 97.905, 224.108



57, 97.905, 274.108

Sweetspot

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



57, 97.536, 44.150



84, 25.144, 42.675



57, 96.250, 340.380



43, 17.459, 42.657



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 97.536, 44.150



57, 98.439, 44.103



80, 83.079, 81.667



50, 4.378, 43.042



43, 78.806, 44.570



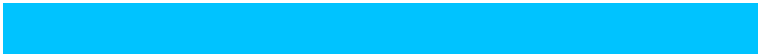
12, 29.484, 39.210

Inverse Universe

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



74, 45.018, 243.257



74, 45.201, 243.825



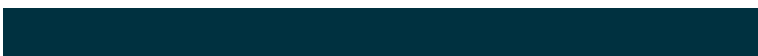
41, 108.613, 300.161



52, 4.133, 223.984



57, 36.266, 242.964



18, 16.334, 236.910

Previews

White Background



This preview shows how the CIELCh color 57, 97.905, 44.108 looks on a white background.

Color Contrast Check

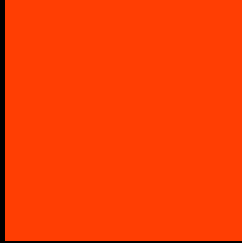
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 97.905, 44.108 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 57, 97.905, 44.108

Background



This preview shows how black text looks on a background with the CIELCh color 57, 97.905, 44.108.



This preview shows how white text looks on a background with the CIELCh color 57, 97.905, 44.108.

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

57, 97.585, 44.158

Protanopia

57, 55.133, 95.243

Deuteranopia

57, 62.552, 84.059



Tritanopia
57, 85.553, 32.820

Trichromacy



Original Color
57, 97.585, 44.158

Protanomaly
54, 63.223, 65.383

Deuteranomaly
55, 70.878, 61.919

Tritanomaly
57, 90.936, 38.625

Monochromacy



Original Color
57, 97.585, 44.158

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 36.322, 42.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 97.905, 44.108 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(255, 62, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 3)  
}
```

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(255, 62, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 97.905, 44.108 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(255, 62, 3) }
```

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

```
.border{ border-color:rgb(255, 62, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 62, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 62, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 97.905, 44.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 3) }
```

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

```
.background{ background-color: rgb(255, 62,  
3) }
```

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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