

Converting Colors

CIELCh(57, 97.651, 44.627)

Have a look what the booklet for
CIELCh(57, 97.651, 44.627) contains.

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Color

CIELCh(57, 97.506, 44.631)

Conversions

Conversions Part 1

Format	Color
Hex	FF4001
RGB	255, 64, 1
RGB Percent	100%, 25%, 0%
CMY	0.0001, 0.7490, 0.9961
CMYK	0.00, 0.75, 1.00, 0.00
HSL	15°, 100%, 50%
HSV	15°, 100%, 100%
XYZ	43.0700, 24.9227, 2.5687
YIQ	113.9270, 134.0590, 20.8990

Conversions

Conversions Part 2

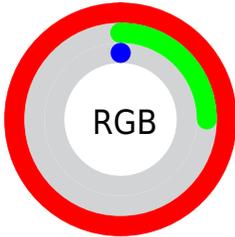
Format	Color
R_{YB}	255, 85, 1
Decimal	16728065
CIE Lab	57.00, 69.39, 68.50
CIE LCh	57, 97.506, 44.631
Yxy	24.9227, 0.6104, 0.3532
Android (android.graphics.Color)	4294918145 (0xFFFF4001)
YUV	113.9270, -55.6730, 123.7210
Hunter-Lab	49.9226, 66.6336, 31.8952

Details

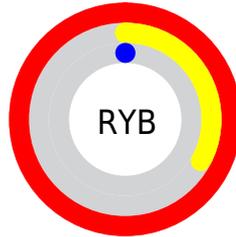
The CIELCh color **57, 97.506, 44.631** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **73, 45.837, 246.686**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.588, 50.465**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 97.779, 44.615**, and if you desaturate by 10%, it is **59, 89.658, 45.347**.

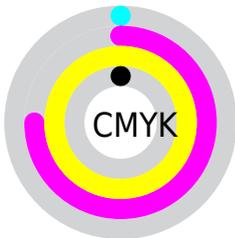
Distribution



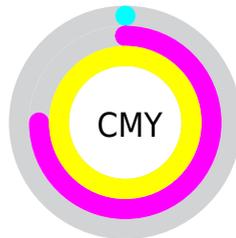
- Red (100%)
- Green (25%)
- Blue (0%)



- Red (100%)
- Yellow (33%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 97.506, 44.631 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, 97.506, 44.631 by changing the saturation by 10% instead.

■ 57, 97.506, 44.631

■ 57, 97.506, 44.631

■ 100, 97.506,
44.631

■ 47, 97.506, 44.631

■ 77, 97.506, 44.631

■ 37, 97.506, 44.631

■ 87, 97.506, 44.631

■ 27, 97.506, 44.631

■ 97, 97.506, 44.631

■ 17, 97.506, 44.631

■ 7, 97.506, 44.631

■ 0, 97.506, 44.631

■ 57, 97.506, 44.631

■ 57, 97.506, 44.631

■ 57, 97.779, 44.615

■ 59, 89.658, 45.347

■ 63, 79.107, 45.238

66, 67.488, 44.802

70, 55.880, 44.399

75, 44.758, 44.152

80, 34.316, 44.085

84, 24.614, 44.178

90, 15.643, 44.400

95, 7.363, 44.697

Harmonies

Complementary

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



57, 97.506, 44.631



73, 45.837, 246.686

Rectangle

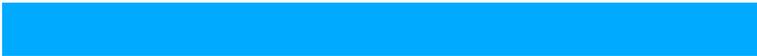
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57, 97.506, 44.631



57, 97.506, 94.631



57, 97.506, 224.631



57, 97.506, 274.631

Sweetspot

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



57, 97.502, 44.633



84, 24.976, 44.172



57, 96.255, 340.504



43, 17.340, 44.117



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, 97.502, 44.633



57, 97.786, 44.615



80, 83.239, 81.479



50, 4.352, 44.701



43, 78.272, 45.105



12, 29.277, 40.138

Inverse Universe

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



73, 45.837, 246.686



73, 45.906, 246.865



40, 109.571, 300.411



51, 4.113, 225.771



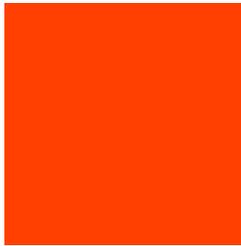
56, 36.796, 245.971



18, 16.469, 239.639

Previews

White Background



This preview shows how the CIELCh color 57, 97.506, 44.631 looks on a white background.

Color Contrast Check

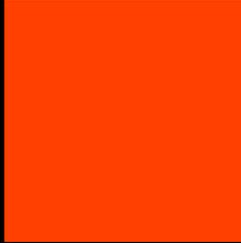
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.506, 44.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

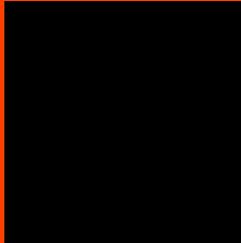
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 97.506, 44.631

Background



This preview shows how black text looks on a background with the CIELCh color 57, 97.506, 44.631.



This preview shows how white text looks on a background with the CIELCh color 57, 97.506, 44.631.

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

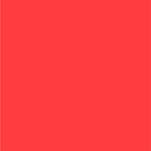
57, 97.506, 44.631

Protanopia

57, 55.749, 95.786

Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 97.506, 44.631

Protanomaly
55, 63.397, 66.013

Deuteranomaly
55, 71.251, 62.190

Tritanomaly
57, 90.328, 38.717

Monochromacy



Original Color
57, 97.506, 44.631

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 35.920, 44.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 97.506, 44.631 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, 64, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 1)  
}
```

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, 64, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 97.506, 44.631 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, 64, 1) }
```

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

```
.border{ border-color:rgb(255, 64, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 64, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 64, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 97.506, 44.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 1) }
```

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

```
.background{ background-color: rgb(255, 64,  
1) }
```

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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