

Converting Colors

CIELCh(57, 97.730, 44.479)

Have a look what the booklet for
CIELCh(57, 97.730, 44.479) contains.

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Color

CIELCh(57, 97.689, 44.485)

Conversions

Conversions Part 1

Format	Color
Hex	FF3F01
RGB	255, 63, 1
RGB Percent	100%, 25%, 0%
CMY	0.0000, 0.7515, 0.9945
CMYK	0.00, 0.75, 0.99, 0.00
HSL	15°, 100%, 50%
HSV	15°, 99%, 100%
XYZ	43.1726, 24.9227, 2.5752
YIQ	113.3400, 134.3340, 21.4220

Conversions

Conversions Part 2

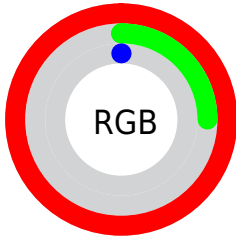
Format	Color
RYB	255, 83, 1
Decimal	16727809
CIELab	57.00, 69.69, 68.45
CIELCh	57, 97.689, 44.485
Yxy	24.9227, 0.6109, 0.3527
Android (android.graphics.Color)	4294917889 (0xFFFF3F01)
YUV	113.3400, -55.3836, 124.2358
Hunter-Lab	49.9226, 67.0006, 31.8874

Details

The CIELCh color **57, 97.689, 44.485** 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, 45.619, 245.821**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.748, 50.066**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 97.960, 44.477**, and if you desaturate by 10%, it is **59, 89.678, 45.165**.

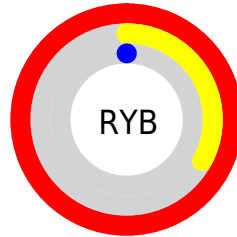
Distribution



Red (100%)

Green (25%)

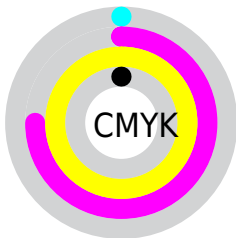
Blue (0%)



Red (100%)

Yellow (33%)

Blue (0%)

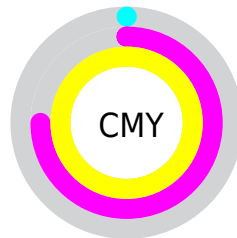


Cyan (0%)

Magenta (75%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (75%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 97.689, 44.485 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, 97.689, 44.485 by changing the saturation by 10% instead.

 57, 97.689, 44.485

 57, 97.689, 44.485

 100, 97.689,
44.485

 47, 97.689, 44.485

 77, 97.689, 44.485

 37, 97.689, 44.485

 87, 97.689, 44.485

 27, 97.689, 44.485

 97, 97.689, 44.485

 17, 97.689, 44.485

 7, 97.689, 44.485

 0, 97.689, 44.485

 57, 97.689, 44.485

 57, 97.689, 44.485

 57, 97.960, 44.477

 59, 89.678, 45.165

 63, 79.076, 44.999

66, 67.428, 44.519

70, 55.802, 44.080

75, 44.667, 43.805

80, 34.215, 43.713

85, 24.504, 43.785

90, 15.528, 43.987

95, 7.244, 44.265

Harmonies

Complementary

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



57, 97.689, 44.485



73, 45.619, 245.821

Rectangle

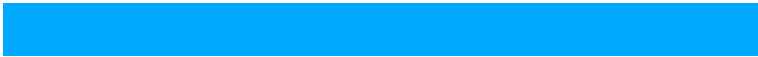
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57, 97.689, 44.485



57, 97.689, 94.485



57, 97.689, 224.485



57, 97.689, 274.485

Sweetspot

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



57, 97.566, 44.501



84, 25.018, 43.777



57, 96.259, 340.481



43, 17.370, 43.732



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, 97.566, 44.501



57, 97.960, 44.477



80, 83.214, 81.514



50, 4.359, 44.264



43, 78.414, 44.961



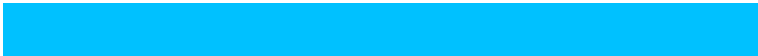
12, 29.331, 39.891

Inverse Universe

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



73, 45.619, 245.821



73, 45.709, 246.074



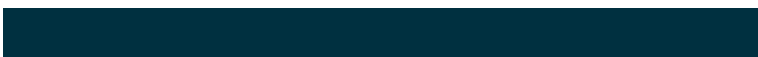
40, 109.400, 300.365



51, 4.118, 225.300



56, 36.648, 245.188



18, 16.431, 238.926

Previews

White Background



This preview shows how the CIELCh color 57, 97.689, 44.485 looks on a white background.

Color Contrast Check

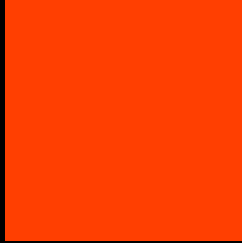
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.689, 44.485 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, 97.689, 44.485

Background



This preview shows how black text looks on a background with the CIELCh color 57, 97.689, 44.485.



This preview shows how white text looks on a background with the CIELCh color 57, 97.689, 44.485.

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, 97.689, 44.485

Protanopia

57, 55.451, 95.250

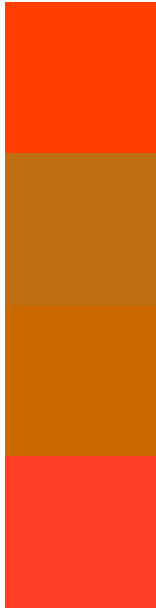
Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 97.689, 44.485

Protanomaly
54, 63.462, 65.501

Deuteranomaly
55, 71.084, 62.109

Tritanomaly
57, 90.328, 38.717

Monochromacy



Original Color
57, 97.689, 44.485

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, 97.689, 44.485 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, 63, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 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, 63, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 97.689, 44.485 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, 63, 1) }
```

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

```
.border{ border-color:rgb(255, 63, 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, 63, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 63, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 97.689, 44.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 1) }
```

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

```
.background{ background-color: rgb(255, 63,  
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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