

Converting Colors

CIELCh(57, 96.886, 43.720)

Have a look what the booklet for
CIELCh(57, 96.886, 43.720) contains.

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Color

CIELCh(57, 96.583, 43.765)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF3F09 |
| RGB | 255, 63, 9 |
| RGB Percent | 100%, 25%, 4% |
| CMY | 0.0000, 0.7517, 0.9632 |
| CMYK | 0.00, 0.75, 0.96, 0.00 |
| HSL | 13°, 100%, 52% |
| HSV | 13°, 96%, 100% |
| XYZ | 43.1915, 24.9227, 2.8032 |
| YIQ | 114.2520, 131.7660, 23.9100 |

Conversions

Conversions Part 2

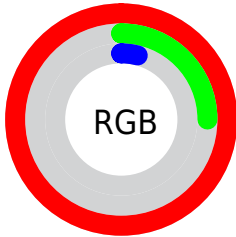
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 255, 78, 9 |
| Decimal | 16727817 |
| CIELab | 57.00, 69.75, 66.81 |
| CIElCh | 57, 96.583, 43.765 |
| Yxy | 24.9227, 0.6090, 0.3514 |
| Android (android.graphics.Color) | 4294917897 (0xFFFF3F09) |
| YUV | 114.2520, -51.8892, 123.4360 |
| Hunter-Lab | 49.9226, 67.0680, 31.6167 |

Details

The CIELCh color **57, 96.583, 43.765** 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 **76, 44.188, 239.166**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 70.439, 48.995**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 99.064, 43.630**, and if you desaturate by 10%, it is **60, 87.656, 43.910**.

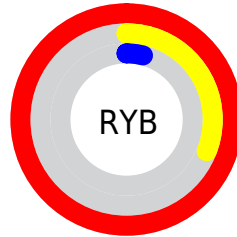
Distribution



Red (100%)

Green (25%)

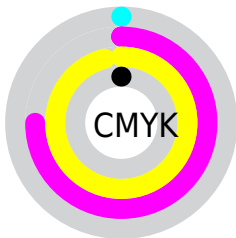
Blue (4%)



Red (100%)

Yellow (31%)

Blue (4%)

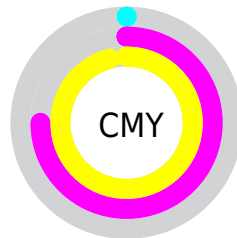


Cyan (0%)

Magenta (75%)

Yellow (96%)

Black (0%)



Cyan (0%)

Magenta (75%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 96.583, 43.765 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, 96.583, 43.765 by changing the saturation by 10% instead.

57, 96.583, 43.765

57, 96.583, 43.765

100, 96.583,
43.765

47, 96.583, 43.765

77, 96.583, 43.765

37, 96.583, 43.765

87, 96.583, 43.765

27, 96.583, 43.765

97, 96.583, 43.765

17, 96.583, 43.765

7, 96.583, 43.765

0, 96.583, 43.765

57, 96.583, 43.765

57, 96.583, 43.765

56, 99.064, 43.630

60, 87.656, 43.910

63, 76.443, 43.277

67, 64.591, 42.511

71, 52.941, 41.882

76, 41.859, 41.462

81, 31.493, 41.249

86, 21.884, 41.212

91, 13.015, 41.308

97, 4.839, 41.452

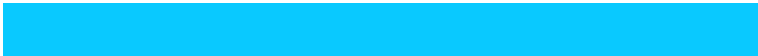
Harmonies

Complementary

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



57, 96.583, 43.765



76, 44.188, 239.166

Rectangle

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



57, 96.583, 43.765



57, 96.583, 93.765



57, 96.583, 223.765



57, 96.583, 273.765

Sweetspot

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



57, 96.479, 43.777



84, 24.381, 41.207



58, 97.384, 338.994



43, 17.032, 41.221



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, 96.479, 43.777



56, 99.064, 43.630



80, 82.282, 80.651



50, 4.407, 41.415



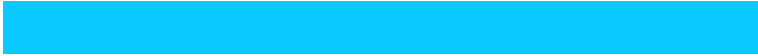
42, 79.319, 44.073



12, 29.692, 38.327

Inverse Universe

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



76, 44.188, 239.166



75, 44.623, 240.744



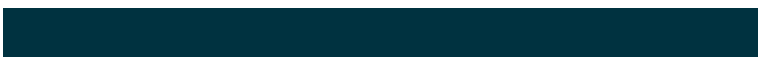
43, 103.490, 298.673



52, 4.156, 222.227



57, 35.834, 239.923



18, 16.234, 234.177

Previews

White Background



This preview shows how the CIELCh color 57, 96.583, 43.765 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, 96.583, 43.765 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, 96.583, 43.765

Background



This preview shows how black text looks on a background with the CIELCh color 57, 96.583, 43.765.



This preview shows how white text looks on a background with the CIELCh color 57, 96.583, 43.765.

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, 96.583, 43.765

Protanopia

57, 54.808, 95.234

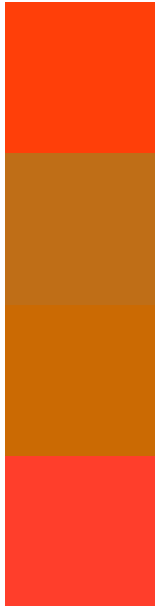
Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 96.583, 43.765

Protanomaly
54, 62.462, 64.999

Deuteranomaly
55, 70.754, 61.947

Tritanomaly
57, 89.536, 38.010

Monochromacy



Original Color
57, 96.583, 43.765

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 34.963, 42.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 96.583, 43.765 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 96.583, 43.765 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, 9) }
```

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

```
.border{ border-color:rgb(255, 63, 9) }
```

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, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 63, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 96.583, 43.765 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, 9) }
```

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

```
.background{ background-color: rgb(255, 63,  
9) }
```

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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