

Converting Colors

CIELCh(57, 93.242, 46.216)

Have a look what the booklet for
CIELCh(57, 93.242, 46.216) contains.

CIELCh(57, 93.265, 46.146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 93.265, 46.146)

Conversions

Conversions Part 1

Format	Color
Hex	F94904
RGB	249, 73, 4
RGB Percent	98%, 29%, 2%
CMY	0.0234, 0.7136, 0.9842
CMYK	0.00, 0.71, 0.98, 0.02
HSL	17°, 97%, 50%
HSV	17°, 98%, 98%
XYZ	41.4838, 24.9227, 2.7399
YIQ	117.7580, 127.0450, 15.8530

Conversions

Conversions Part 2

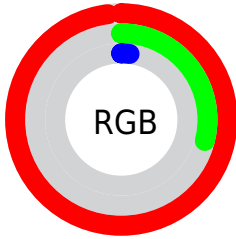
Format	Color
R_YB	249, 100, 4
Decimal	16337156
CIE Lab	57.00, 64.62, 67.25
CIE LCh	57, 93.265, 46.146
Yxy	24.9227, 0.5999, 0.3604
Android (android.graphics.Color)	4294527236 (0xFFFF94904)
YUV	117.7580, -56.0827, 115.0992
Hunter-Lab	49.9226, 60.9621, 31.6918

Details

The CIELCh color **57, 93.265, 46.146** 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 **69, 46.766, 252.830**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 70.029, 52.426**, and **38, 81.502, 39.993** is the 20% darker color. If you saturate the color by 10%, you get **57, 94.412, 45.996**, and if you desaturate by 10%, it is **60, 85.332, 47.191**.

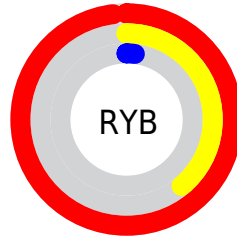
Distribution



Red (98%)

Green (29%)

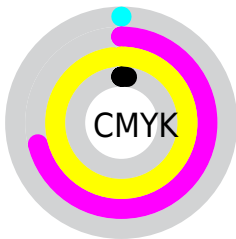
Blue (2%)



Red (98%)

Yellow (39%)

Blue (2%)

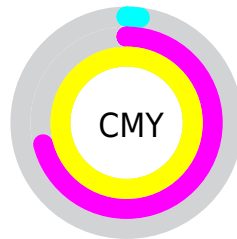


Cyan (0%)

Magenta (71%)

Yellow (98%)

Black (2%)



Cyan (2%)

Magenta (71%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 93.265, 46.146 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, 93.265, 46.146 by changing the saturation by 10% instead.

 57, 93.265, 46.146

 57, 93.265, 46.146

 100, 93.265,
46.146

 47, 93.265, 46.146

 77, 93.265, 46.146

 37, 93.265, 46.146

 87, 93.265, 46.146

 27, 93.265, 46.146

 97, 93.265, 46.146

 17, 93.265, 46.146

 7, 93.265, 46.146

 0, 93.265, 46.146

 57, 93.265, 46.146

 57, 93.265, 46.146

 57, 94.412, 45.996

 60, 85.332, 47.191

 63, 74.957, 47.409

66, 63.734, 47.329

70, 52.601, 47.260

75, 41.966, 47.310

79, 31.993, 47.502

84, 22.724, 47.822

89, 14.141, 48.244

94, 6.199, 48.710

Harmonies

Complementary

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



57, 93.265, 46.146



69, 46.766, 252.830

Rectangle

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



57, 93.265, 46.146



57, 93.265, 96.146



57, 93.265, 226.146



57, 93.265, 276.146

Sweetspot

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



57, 93.262, 46.148



85, 24.651, 47.761



56, 92.357, 342.568



43, 17.107, 47.620



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, 93.262, 46.148



58, 96.168, 45.958



81, 82.404, 84.835



50, 4.236, 48.660



43, 76.170, 46.529



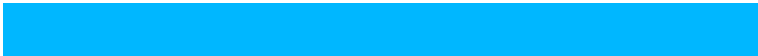
12, 27.568, 41.937

Inverse Universe

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



69, 46.766, 252.830



70, 48.021, 253.697



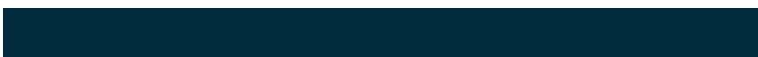
38, 110.801, 301.370



50, 4.016, 230.022



53, 38.007, 252.697



16, 16.444, 245.527

Previews

White Background



This preview shows how the CIELCh color 57, 93.265, 46.146 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, 93.265, 46.146 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, 93.265, 46.146

Background



This preview shows how black text looks on a background with the CIELCh color 57, 93.265, 46.146.



This preview shows how white text looks on a background with the CIELCh color 57, 93.265, 46.146.

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, 93.265, 46.146

Protanopia

57, 56.058, 95.791

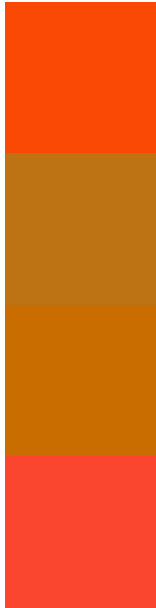
Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 79.139, 30.606

Trichromacy



Original Color
57, 93.265, 46.146

Protanomaly
55, 62.614, 68.182

Deuteranomaly
55, 70.058, 63.881

Tritanomaly
57, 85.084, 38.461

Monochromacy



Original Color
57, 93.265, 46.146

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 33.958, 47.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 93.265, 46.146 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(249, 73, 4)` looks like.

```
.text, #text, p{  
    color:rgb(249, 73, 4)  
}
```

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(249, 73, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 73, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 93.265, 46.146 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(249, 73, 4) }
```

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

```
.border{ border-color:rgb(249, 73, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 73, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 73, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 73, 4);  
box-shadow:4px 4px 4px 4px rgb(249, 73, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 93.265, 46.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 73, 4) }
```

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

```
.background{ background-color: rgb(249, 73,  
4) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor