

Converting Colors

CIELCh(59, 95.181, 46.837)

Have a look what the booklet for
CIELCh(59, 95.181, 46.837) contains.

CIELCh(59, 94.668, 46.886)	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(59, 94.668, 46.886)

Conversions

Conversions Part 1

Format	Color
Hex	FF4F03
RGB	255, 79, 3
RGB Percent	100%, 31%, 1%
CMY	0.0000, 0.6906, 0.9872
CMYK	0.00, 0.69, 0.99, 0.00
HSL	18°, 100%, 51%
HSV	18°, 99%, 100%
XYZ	44.4064, 27.0277, 2.9698
YIQ	122.9600, 129.2920, 13.6760

Conversions

Conversions Part 2

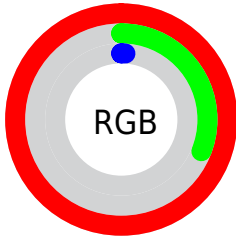
Format	Color
RYB	255, 112, 3
Decimal	16731907
CIELab	59.00, 64.70, 69.11
CIELCh	59, 94.668, 46.886
Yxy	27.0277, 0.5968, 0.3633
Android (android.graphics.Color)	4294921987 (0xFFFF4F03)
YUV	122.9600, -59.1403, 115.7991
Hunter-Lab	51.9882, 61.4889, 33.0048

Details

The CIELCh color **59, 94.668, 46.886** 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, 49.119, 256.657**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 68.913, 54.774**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **59, 95.223, 46.798**, and if you desaturate by 10%, it is **62, 86.479, 48.249**.

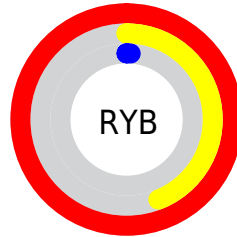
Distribution



Red (100%)

Green (31%)

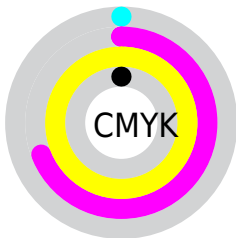
Blue (1%)



Red (100%)

Yellow (44%)

Blue (1%)

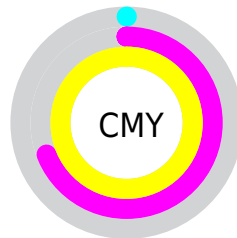


Cyan (0%)

Magenta (69%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (69%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 94.668, 46.886 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 59, 94.668, 46.886 by changing the saturation by 10% instead.

59, 94.668, 46.886

59, 94.668, 46.886

100, 94.668,
46.886

49, 94.668, 46.886

79, 94.668, 46.886

39, 94.668, 46.886

89, 94.668, 46.886

29, 94.668, 46.886

99, 94.668, 46.886

19, 94.668, 46.886

9, 94.668, 46.886

0, 94.668, 46.886

59, 94.668, 46.886

59, 94.668, 46.886

59, 95.223, 46.798

62, 86.479, 48.249

65, 76.128, 48.709

68, 64.842, 48.830

72, 53.604, 48.928

77, 42.850, 49.121

81, 32.751, 49.436

86, 23.352, 49.866

91, 14.638, 50.386

96, 6.563, 50.945

Harmonies

Complementary

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



59, 94.668, 46.886



69, 49.119, 256.657

Rectangle

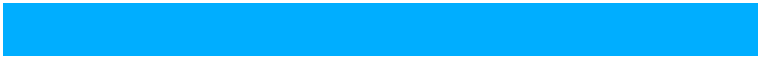
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 94.668, 46.886



59, 94.668, 96.886



59, 94.668, 226.886



59, 94.668, 276.886

Sweetspot

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



59, 94.319, 46.950



85, 24.514, 49.806



57, 91.965, 345.067



43, 17.006, 49.617



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 94.319, 46.950



59, 95.223, 46.798



84, 85.110, 87.730



51, 4.291, 50.903



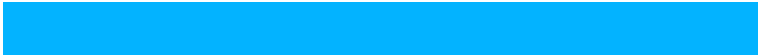
44, 76.204, 47.367



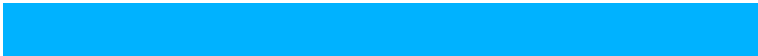
13, 28.551, 43.854

Inverse Universe

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



69, 49.119, 256.657



69, 49.472, 257.299



38, 117.689, 302.649



51, 4.075, 232.424



53, 39.513, 256.332



17, 17.257, 249.302

Previews

White Background



This preview shows how the CIELCh color 59, 94.668, 46.886 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 59, 94.668, 46.886 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 59, 94.668, 46.886

Background



This preview shows how black text looks on a background with the CIELCh color 59, 94.668, 46.886.



This preview shows how white text looks on a background with the CIELCh color 59, 94.668, 46.886.

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

59, 94.331, 46.992

Protanopia

59, 57.686, 95.064

Deuteranopia

59, 64.379, 83.847



Tritanopia
59, 77.867, 29.842

Trichromacy



Original Color
59, 94.331, 46.992

Protanomaly
57, 64.272, 68.900

Deuteranomaly
58, 71.358, 64.988

Tritanomaly
59, 84.723, 38.628

Monochromacy



Original Color
59, 94.331, 46.992

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 34.638, 49.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 94.668, 46.886 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, 79, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 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, 79, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 94.668, 46.886 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, 79, 3) }
```

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

```
.border{ border-color:rgb(255, 79, 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, 79, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 79, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 94.668, 46.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 3) }
```

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

```
.background{ background-color: rgb(255, 79,  
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](#).

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