

Converting Colors

CIELCh(59, 94.315, 47.103)

Have a look what the booklet for
CIELCh(59, 94.315, 47.103) contains.

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Color

CIELCh(59, 94.131, 47.184)

Conversions

Conversions Part 1

Format	Color
Hex	FF5003
RGB	255, 80, 3
RGB Percent	100%, 31%, 1%
CMY	0.0000, 0.6860, 0.9878
CMYK	0.00, 0.69, 0.99, 0.00
HSL	18°, 100%, 51%
HSV	18°, 99%, 100%
XYZ	44.1579, 27.0277, 2.9784
YIQ	123.5470, 129.0170, 13.1530

Conversions

Conversions Part 2

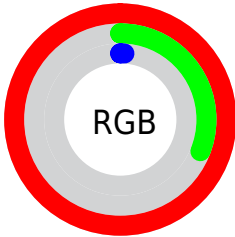
Format	Color
RYB	255, 114, 3
Decimal	16732163
CIELab	59.00, 63.98, 69.05
CIELCh	59, 94.131, 47.184
Yxy	27.0277, 0.5954, 0.3644
Android (android.graphics.Color)	4294922243 (0xFFFF5003)
YUV	123.5470, -59.4297, 115.2843
Hunter-Lab	51.9882, 60.6354, 32.9950

Details

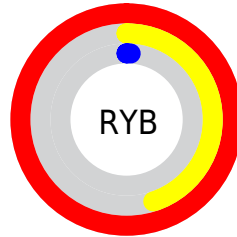
The CIELCh color **59, 94.131, 47.184** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **69, 49.551, 257.642**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 68.797, 55.218**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **59, 94.960, 47.040**, and if you desaturate by 10%, it is **62, 86.310, 48.550**.

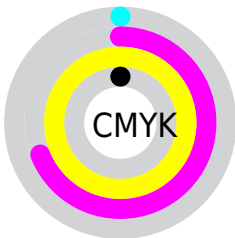
Distribution



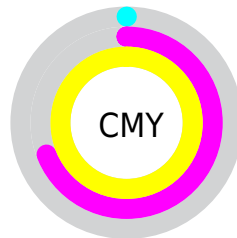
- Red (100%)
- Green (31%)
- Blue (1%)



- Red (100%)
- Yellow (45%)
- 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, 94.131, 47.184 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, 94.131, 47.184 by changing the saturation by 10% instead.

59, 94.131, 47.184

59, 94.131, 47.184

100, 94.131,
47.184

49, 94.131, 47.184

79, 94.131, 47.184

39, 94.131, 47.184

89, 94.131, 47.184

29, 94.131, 47.184

99, 94.131, 47.184

19, 94.131, 47.184

9, 94.131, 47.184

0, 94.131, 47.184

59, 94.131, 47.184

59, 94.131, 47.184

59, 94.960, 47.040

62, 86.310, 48.550

65, 76.013, 49.072

69, 64.770, 49.246

72, 53.566, 49.390

77, 42.839, 49.621

81, 32.761, 49.971

86, 23.378, 50.431

91, 14.675, 50.977

96, 6.605, 51.561

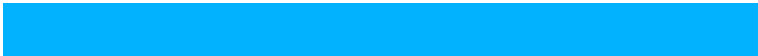
Harmonies

Complementary

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



59, 94.131, 47.184



69, 49.551, 257.642

Rectangle

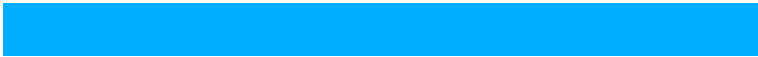
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 94.131, 47.184



59, 94.131, 97.184



59, 94.131, 227.184



59, 94.131, 277.184

Sweetspot

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



59, 94.101, 47.191



85, 24.482, 50.369



57, 91.965, 345.079



43, 16.982, 50.168



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, 94.101, 47.191



59, 94.960, 47.040



84, 85.119, 87.720



51, 4.287, 51.521



44, 75.994, 47.616



13, 28.483, 44.246

Inverse Universe

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



69, 49.551, 257.642



69, 49.902, 258.256



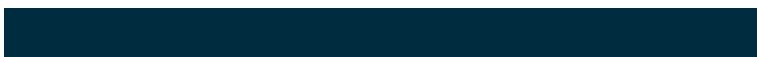
38, 117.752, 302.663



51, 4.075, 233.082



52, 39.842, 257.285



16, 17.358, 250.213

Previews

White Background



This preview shows how the CIELCh color 59, 94.131, 47.184 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, 94.131, 47.184 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, 94.131, 47.184

Background



This preview shows how black text looks on a background with the CIELCh color 59, 94.131, 47.184.



This preview shows how white text looks on a background with the CIELCh color 59, 94.131, 47.184.

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, 94.131, 47.184

Protanopia

59, 57.975, 95.578

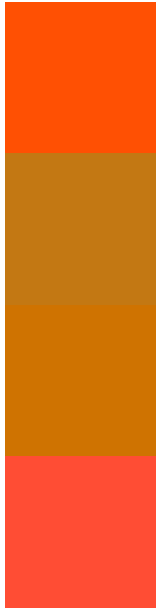
Deuteranopia

59, 64.379, 83.847



Tritanopia
59, 77.180, 29.332

Trichromacy



Original Color
59, 94.131, 47.184

Protanomaly
57, 64.244, 69.411

Deuteranomaly
58, 71.358, 64.988

Tritanomaly
59, 84.246, 38.577

Monochromacy



Original Color
59, 94.131, 47.184

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 34.564, 49.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 94.131, 47.184 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, 80, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 80, 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, 80, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 80, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 94.131, 47.184 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, 80, 3) }
```

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

```
.border{ border-color:rgb(255, 80, 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, 80, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 80, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 80, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 80, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 94.131, 47.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 80, 3) }
```

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

```
.background{ background-color: rgb(255, 80,  
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](#).

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