

Converting Colors

CIELCh(59, 94.390, 47.578)

Have a look what the booklet for
CIELCh(59, 94.390, 47.578) contains.

CIELCh(59, 94.340, 47.626)	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, 94.340, 47.626)

Conversions

Conversions Part 1

Format	Color
Hex	FF5100
RGB	255, 81, 0
RGB Percent	100%, 32%, 0%
CMY	0.0014, 0.6836, 1.0000
CMYK	0.00, 0.68, 1.00, 0.00
HSL	19°, 100%, 50%
HSV	19°, 100%, 100%
XYZ	44.0233, 27.0277, 2.8837
YIQ	123.7920, 129.7050, 11.6970

Conversions

Conversions Part 2

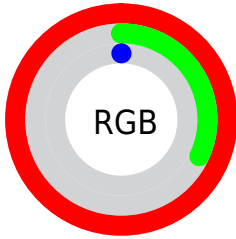
Format	Color
R_{YB}	255, 119, 0
Decimal	16732416
CIE _{Lab}	59.00, 63.58, 69.69
CIE _{LCh}	59, 94.340, 47.626
Yxy	27.0277, 0.5954, 0.3656
Android (android.graphics.Color)	4294922496 (0xFFFF5100)
YUV	123.7920, -61.0295, 115.0694
Hunter-Lab	51.9882, 60.1734, 33.1030

Details

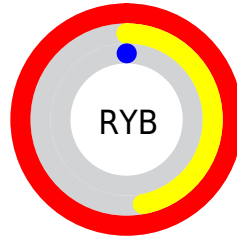
The CIELCh color **59, 94.340, 47.626** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **68, 50.834, 260.307**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 69.029, 55.901**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **59, 94.275, 47.591**, and if you desaturate by 10%, it is **62, 86.814, 49.109**.

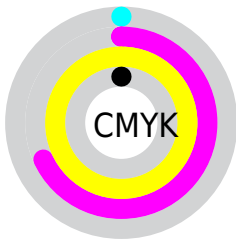
Distribution



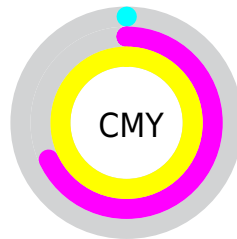
- Red (100%)
- Green (32%)
- Blue (0%)



- Red (100%)
- Yellow (47%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 94.340, 47.626 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, 94.340, 47.626 by changing the saturation by 10% instead.

59, 94.340, 47.626

59, 94.340, 47.626

100, 94.340,
47.626

49, 94.340, 47.626

79, 94.340, 47.626

39, 94.340, 47.626

89, 94.340, 47.626

29, 94.340, 47.626

99, 94.340, 47.626

19, 94.340, 47.626

9, 94.340, 47.626

0, 94.340, 47.626

59, 94.340, 47.626

59, 94.340, 47.626

59, 94.275, 47.591

62, 86.814, 49.109

65, 76.851, 49.834

68, 65.762, 50.143

72, 54.616, 50.382

76, 43.899, 50.688

81, 33.805, 51.099

85, 24.392, 51.613

90, 15.650, 52.210

95, 7.536, 52.849

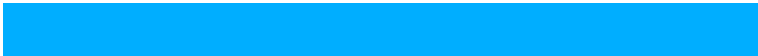
Harmonies

Complementary

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



59, 94.340, 47.626



68, 50.834, 260.307

Rectangle

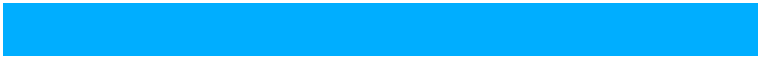
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 94.340, 47.626



59, 94.340, 97.626



59, 94.340, 227.626



59, 94.340, 277.626

Sweetspot

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



59, 94.275, 47.591



86, 24.421, 51.613



56, 90.911, 346.609



44, 16.935, 51.385



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, 94.275, 47.591



59, 94.379, 47.589



85, 85.877, 88.997



51, 4.282, 52.880



45, 75.530, 48.180



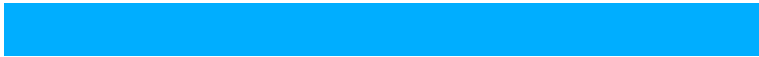
13, 28.339, 45.123

Inverse Universe

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



68, 50.834, 260.307



68, 50.891, 260.312



36, 120.852, 303.428



51, 4.075, 234.531



52, 40.602, 259.335



16, 17.595, 252.186

Previews

White Background



This preview shows how the CIELCh color 59, 94.340, 47.626 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, 94.340, 47.626 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, 94.340, 47.626

Background



This preview shows how black text looks on a background with the CIELCh color 59, 94.340, 47.626.



This preview shows how white text looks on a background with the CIELCh color 59, 94.340, 47.626.

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, 94.340, 47.626

Protanopia

59, 58.264, 95.582

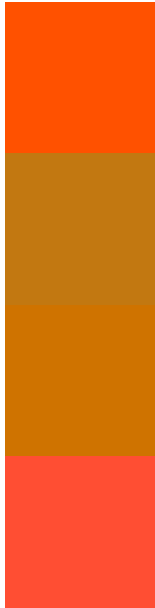
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 77.180, 29.332

Trichromacy



Original Color
59, 94.340, 47.626

Protanomaly
57, 64.383, 69.904

Deuteranomaly
58, 71.516, 65.056

Tritanomaly
59, 84.324, 39.064

Monochromacy



Original Color
59, 94.340, 47.626

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 34.924, 50.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 94.340, 47.626 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, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 0)  
}
```

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, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 94.340, 47.626 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, 81, 0) }
```

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

```
.border{ border-color:rgb(255, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 94.340, 47.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 0) }
```

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

```
.background{ background-color: rgb(255, 81,  
0) }
```

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