

Converting Colors

CIELCh(59, 91.323, 47.948)

Have a look what the booklet for
CIELCh(59, 91.323, 47.948) contains.

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Color

CIELCh(59, 91.230, 47.873)

Conversions

Conversions Part 1

Format	Color
Hex	FB5409
RGB	251, 84, 9
RGB Percent	98%, 33%, 4%
CMY	0.0138, 0.6689, 0.9659
CMYK	0.00, 0.66, 0.97, 0.01
HSL	19°, 97%, 51%
HSV	19°, 97%, 99%
XYZ	43.2134, 27.0277, 3.1889
YIQ	125.3830, 123.6070, 12.0790

Conversions

Conversions Part 2

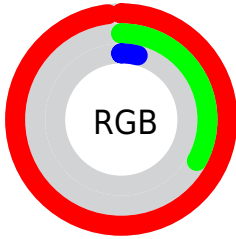
Format	Color
RYB	251, 118, 9
Decimal	16471049
CIELab	59.00, 61.19, 67.66
CIElCh	59, 91.230, 47.873
Yxy	27.0277, 0.5885, 0.3681
Android (android.graphics.Color)	4294661129 (0xFFFB5409)
YUV	125.3830, -57.3768, 110.1661
Hunter-Lab	51.9882, 57.3925, 32.7550

Details

The CIELCh color **59, 91.230, 47.873** 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, 48.887, 257.617**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 67.425, 55.842**, and **39, 81.181, 40.753** is the 20% darker color. If you saturate the color by 10%, you get **58, 93.619, 47.371**, and if you desaturate by 10%, it is **62, 82.960, 49.131**.

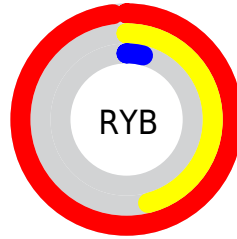
Distribution



Red (98%)

Green (33%)

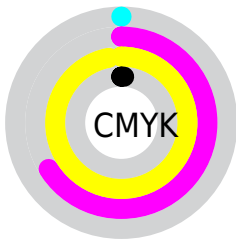
Blue (4%)



Red (98%)

Yellow (46%)

Blue (4%)

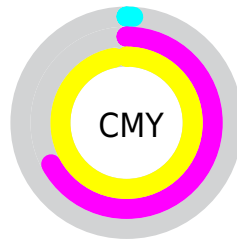


Cyan (0%)

Magenta (66%)

Yellow (97%)

Black (1%)



Cyan (1%)

Magenta (67%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 91.230, 47.873 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, 91.230, 47.873 by changing the saturation by 10% instead.

59, 91.230, 47.873

59, 91.230, 47.873

100, 91.230,
47.873

49, 91.230, 47.873

79, 91.230, 47.873

39, 91.230, 47.873

89, 91.230, 47.873

29, 91.230, 47.873

99, 91.230, 47.873

19, 91.230, 47.873

9, 91.230, 47.873

0, 91.230, 47.873

59, 91.230, 47.873

59, 91.230, 47.873

58, 93.619, 47.371

62, 82.960, 49.131

65, 72.490, 49.599

69, 61.371, 49.810

73, 50.417, 50.022

77, 39.982, 50.326

81, 30.201, 50.743

86, 21.100, 51.261

91, 12.656, 51.855

96, 4.820, 52.454

Harmonies

Complementary

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



59, 91.230, 47.873



68, 48.887, 257.617

Rectangle

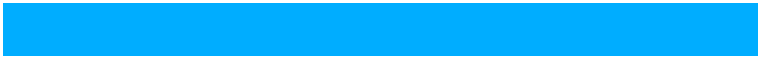
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 91.230, 47.873



59, 91.230, 97.873



59, 91.230, 227.873



59, 91.230, 277.873

Sweetspot

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



59, 91.227, 47.875



86, 23.539, 51.125



56, 91.016, 344.612



44, 16.422, 50.902



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, 91.227, 47.875



59, 94.633, 47.347



84, 83.900, 88.089



50, 4.213, 52.289



44, 74.953, 47.963



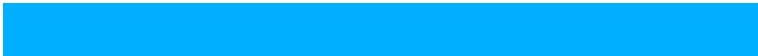
12, 27.173, 44.256

Inverse Universe

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



68, 48.887, 257.617



68, 50.452, 259.424



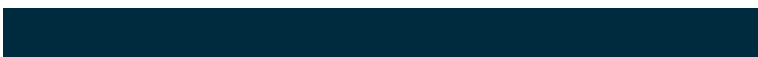
38, 114.087, 302.102



50, 4.008, 233.898



51, 39.845, 258.398



16, 16.982, 250.926

Previews

White Background



This preview shows how the CIELCh color 59, 91.230, 47.873 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, 91.230, 47.873 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, 91.230, 47.873

Background



This preview shows how black text looks on a background with the CIELCh color 59, 91.230, 47.873.



This preview shows how white text looks on a background with the CIELCh color 59, 91.230, 47.873.

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, 91.099, 47.792

Protanopia

59, 57.975, 95.578

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 75.025, 28.794

Trichromacy



Original Color
59, 91.099, 47.792

Protanomaly
57, 63.161, 70.903

Deuteranomaly
58, 70.543, 65.985

Tritanomaly
59, 81.140, 38.413

Monochromacy



Original Color
59, 91.099, 47.792

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 33.110, 50.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 91.230, 47.873 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(251, 84, 9)` looks like.

```
.text, #text, p{  
    color:rgb(251, 84, 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(251, 84, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 84, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 91.230, 47.873 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(251, 84, 9) }
```

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

```
.border{ border-color:rgb(251, 84, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 84, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 84, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 84, 9);  
box-shadow:4px 4px 4px 4px rgb(251, 84, 9)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 91.230, 47.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 84, 9) }
```

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

```
.background{ background-color: rgb(251, 84,  
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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