

Converting Colors

CIELCh(59, 91.527, 46.815)

Have a look what the booklet for
CIELCh(59, 91.527, 46.815) contains.

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Color

CIELCh(59, 91.527, 46.790)

Conversions

Conversions Part 1

Format	Color
Hex	FD520E
RGB	253, 82, 14
RGB Percent	99%, 32%, 5%
CMY	0.0069, 0.6775, 0.9439
CMYK	0.00, 0.68, 0.94, 0.01
HSL	17°, 99%, 52%
HSV	17°, 94%, 99%
XYZ	43.7114, 27.0277, 3.3390
YIQ	125.3770, 123.7440, 15.1040

Conversions

Conversions Part 2

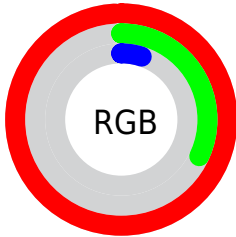
Format	Color
R _Y B	253, 109, 14
Decimal	16601614
CIE Lab	59.00, 62.67, 66.71
CIE LCh	59, 91.527, 46.790
Yxy	27.0277, 0.5901, 0.3649
Android (android.graphics.Color)	4294791694 (0xFFFD520E)
YUV	125.3770, -54.9089, 111.9254
Hunter-Lab	51.9882, 59.1024, 32.5838

Details

The CIELCh color **59, 91.527, 46.790** 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 **71, 46.633, 251.362**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 66.947, 54.414**, and **39, 82.459, 40.277** is the 20% darker color. If you saturate the color by 10%, you get **58, 95.522, 46.083**, and if you desaturate by 10%, it is **62, 82.364, 47.508**.

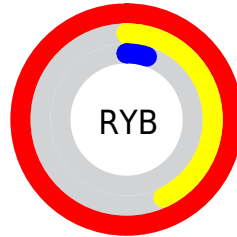
Distribution



Red (99%)

Green (32%)

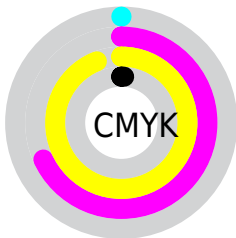
Blue (5%)



Red (99%)

Yellow (43%)

Blue (5%)

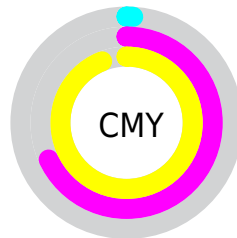


Cyan (0%)

Magenta (68%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (68%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 91.527, 46.790 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, 91.527, 46.790 by changing the saturation by 10% instead.

59, 91.527, 46.790

59, 91.527, 46.790

100, 91.527,
46.790

49, 91.527, 46.790

79, 91.527, 46.790

39, 91.527, 46.790

89, 91.527, 46.790

29, 91.527, 46.790

99, 91.527, 46.790

19, 91.527, 46.790

9, 91.527, 46.790

0, 91.527, 46.790

59, 91.527, 46.790

59, 91.527, 46.790

58, 95.522, 46.083

62, 82.364, 47.508

65, 71.363, 47.582

69, 59.965, 47.510

73, 48.865, 47.504

78, 38.356, 47.630

82, 28.542, 47.894

87, 19.438, 48.274

92, 11.013, 48.738

97, 3.213, 49.164

Harmonies

Complementary

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



59, 91.527, 46.790



71, 46.633, 251.362

Rectangle

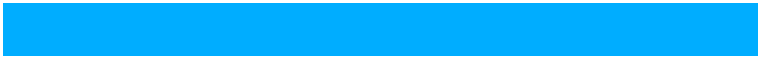
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 91.527, 46.790



59, 91.527, 96.790



59, 91.527, 226.790



59, 91.527, 276.790

Sweetspot

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



59, 91.524, 46.792



86, 22.804, 48.123



57, 92.461, 343.029



44, 16.019, 47.962



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, 91.524, 46.792



58, 96.037, 46.072



83, 83.361, 87.012



50, 4.304, 48.973



44, 76.857, 46.617



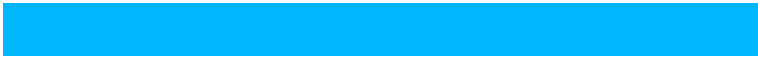
13, 28.767, 42.655

Inverse Universe

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



71, 46.633, 251.362



70, 48.213, 254.212



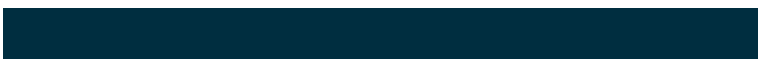
40, 110.102, 300.924



51, 4.081, 230.359



54, 38.550, 253.259



17, 16.966, 246.392

Previews

White Background



This preview shows how the CIELCh color 59, 91.527, 46.790 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, 91.527, 46.790 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, 91.527, 46.790

Background



This preview shows how black text looks on a background with the CIELCh color 59, 91.527, 46.790.



This preview shows how white text looks on a background with the CIELCh color 59, 91.527, 46.790.

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, 91.527, 46.790

Protanopia

59, 57.064, 95.563

Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 76.948, 29.561

Trichromacy



Original Color
59, 91.527, 46.790

Protanomaly
57, 62.443, 69.629

Deuteranomaly
58, 70.641, 65.152

Tritanomaly
59, 82.336, 37.924

Monochromacy



Original Color
59, 91.527, 46.790

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 32.536, 47.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 91.527, 46.790 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(253, 82, 14)` looks like.

```
.text, #text, p{  
    color:rgb(253, 82, 14)  
}
```

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(253, 82, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 82, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 91.527, 46.790 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(253, 82, 14) }
```

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

```
.border{ border-color:rgb(253, 82, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 82, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 82, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 82, 14);  
box-shadow:4px 4px 4px 4px rgb(253, 82,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 91.527, 46.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 82, 14) }
```

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

```
.background{ background-color: rgb(253, 82,  
14) }
```

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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