

Converting Colors

CIELCh(59, 91.345, 46.087)

Have a look what the booklet for
CIELCh(59, 91.345, 46.087) contains.

CIELCh(59, 91.425, 46.089)	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, 91.425, 46.089)

Conversions

Conversions Part 1

Format	Color
Hex	FE5112
RGB	254, 81, 18
RGB Percent	100%, 32%, 7%
CMY	0.0036, 0.6820, 0.9290
CMYK	0.00, 0.68, 0.93, 0.00
HSL	16°, 99%, 53%
HSV	16°, 93%, 100%
XYZ	43.9636, 27.0277, 3.4760
YIQ	125.5450, 123.3310, 17.0830

Conversions

Conversions Part 2

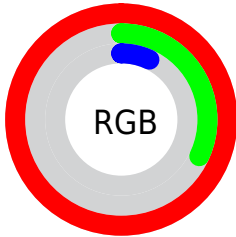
Format	Color
RYB	254, 104, 18
Decimal	16666898
CIELab	59.00, 63.41, 65.86
CIELCh	59, 91.425, 46.089
Yxy	27.0277, 0.5904, 0.3629
Android (android.graphics.Color)	4294856978 (0xFFFE5112)
YUV	125.5450, -53.0197, 112.6550
Hunter-Lab	51.9882, 59.9682, 32.4275

Details

The CIELCh color **59, 91.425, 46.089** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **73, 45.460, 247.284**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 65.898, 53.609**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 96.621, 45.349**, and if you desaturate by 10%, it is **62, 81.732, 46.461**.

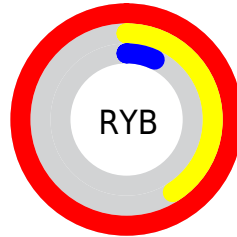
Distribution



Red (100%)

Green (32%)

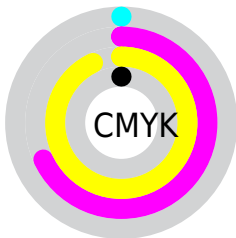
Blue (7%)



Red (100%)

Yellow (41%)

Blue (7%)

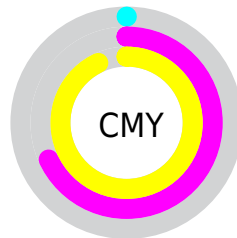


Cyan (0%)

Magenta (68%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (68%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 91.425, 46.089 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, 91.425, 46.089 by changing the saturation by 10% instead.

59, 91.425, 46.089

59, 91.425, 46.089

100, 91.425,
46.089

49, 91.425, 46.089

79, 91.425, 46.089

39, 91.425, 46.089

89, 91.425, 46.089

29, 91.425, 46.089

99, 91.425, 46.089

19, 91.425, 46.089

9, 91.425, 46.089

0, 91.425, 46.089

59, 91.425, 46.089

59, 91.425, 46.089

57, 96.621, 45.349

62, 81.732, 46.461

65, 70.450, 46.295

69, 58.918, 46.051

74, 47.754, 45.914

78, 37.218, 45.932

83, 27.399, 46.101

88, 18.304, 46.397

93, 9.898, 46.778

98, 2.124, 47.037

Harmonies

Complementary

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



59, 91.425, 46.089



73, 45.460, 247.284

Rectangle

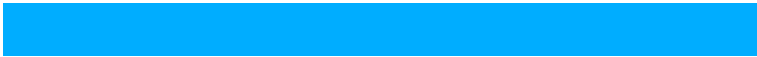
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59, 91.425, 46.089



59, 91.425, 96.089



59, 91.425, 226.089



59, 91.425, 276.089

Sweetspot

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



59, 91.422, 46.091



86, 22.941, 46.232



57, 93.637, 341.670



44, 16.120, 46.115



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, 91.422, 46.091



57, 96.891, 45.343



83, 82.660, 85.833



50, 4.324, 46.912



43, 77.546, 45.863



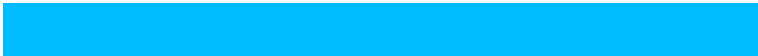
12, 29.008, 41.417

Inverse Universe

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



73, 45.460, 247.284



71, 47.015, 250.757



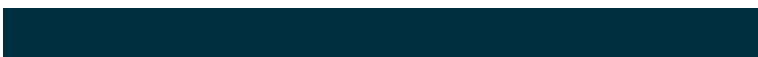
41, 106.411, 299.833



51, 4.093, 228.149



55, 37.637, 249.828



17, 16.701, 243.188

Previews

White Background



This preview shows how the CIELCh color 59, 91.425, 46.089 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, 91.425, 46.089 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, 91.425, 46.089

Background



This preview shows how black text looks on a background with the CIELCh color 59, 91.425, 46.089.



This preview shows how white text looks on a background with the CIELCh color 59, 91.425, 46.089.

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, 91.425, 46.089

Protanopia

59, 56.090, 95.544

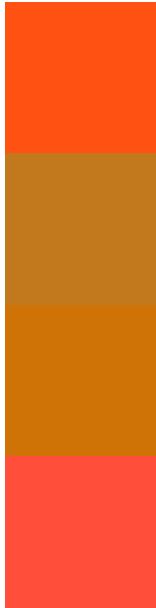
Deuteranopia

59, 64.557, 83.457



Tritanopia
59, 77.180, 29.332

Trichromacy



Original Color
59, 91.425, 46.089

Protanomaly
57, 61.620, 68.726

Deuteranomaly
58, 70.431, 64.577

Tritanomaly
59, 82.653, 37.405

Monochromacy



Original Color
59, 91.425, 46.089

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 32.288, 45.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 91.425, 46.089 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(254, 81, 18)` looks like.

```
.text, #text, p{  
    color:rgb(254, 81, 18)  
}
```

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(254, 81, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 81, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 91.425, 46.089 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(254, 81, 18) }
```

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

```
.border{ border-color:rgb(254, 81, 18) }
```

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

Here you see how a box with a 4 pixel rgb(254, 81, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 81, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 81, 18);  
box-shadow:4px 4px 4px 4px rgb(254, 81,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 91.425, 46.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 81, 18) }
```

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

```
.background{ background-color: rgb(254, 81,  
18) }
```

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