

Converting Colors

CIELCh(61, 87.904, 46.741)

Have a look what the booklet for
CIELCh(61, 87.904, 46.741) contains.

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Color

CIELCh(61, 87.350, 47.008)

Conversions

Conversions Part 1

Format	Color
Hex	FF5D1E
RGB	255, 93, 30
RGB Percent	100%, 36%, 12%
CMY	0.0000, 0.6368, 0.8838
CMYK	0.00, 0.64, 0.88, 0.00
HSL	17°, 100%, 56%
HSV	17°, 88%, 100%
XYZ	45.6133, 29.2481, 4.4452
YIQ	134.2560, 116.7750, 14.7510

Conversions

Conversions Part 2

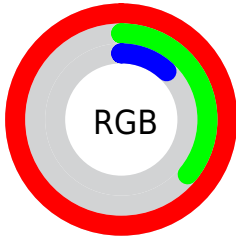
Format	Color
RYB	255, 118, 30
Decimal	16735518
CIELab	61.00, 59.56, 63.89
CIElCh	61, 87.350, 47.008
Yxy	29.2481, 0.5752, 0.3688
Android (android.graphics.Color)	4294925598 (0xFFFF5D1E)
YUV	134.2560, -51.3982, 105.8925
Hunter-Lab	54.0815, 55.9071, 32.9837

Details

The CIELCh color **61, 87.350, 47.008** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **73, 45.209, 247.601**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 61.631, 56.004**, and **41, 80.739, 42.433** is the 20% darker color. If you saturate the color by 10%, you get **58, 95.120, 46.021**, and if you desaturate by 10%, it is **64, 76.505, 47.261**.

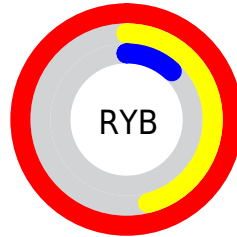
Distribution



Red (100%)

Green (36%)

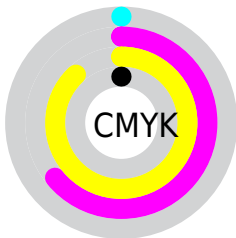
Blue (12%)



Red (100%)

Yellow (46%)

Blue (12%)

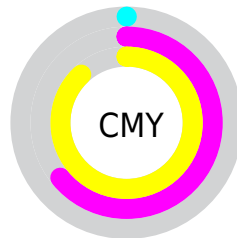


Cyan (0%)

Magenta (64%)

Yellow (88%)

Black (0%)



Cyan (0%)

Magenta (64%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 87.350, 47.008 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 61, 87.350, 47.008 by changing the saturation by 10% instead.

61, 87.350, 47.008

61, 87.350, 47.008

100, 87.350,
47.008

51, 87.350, 47.008

81, 87.350, 47.008

41, 87.350, 47.008

91, 87.350, 47.008

31, 87.350, 47.008

21, 87.350, 47.008

11, 87.350, 47.008

1, 87.350, 47.008

0, 87.350, 47.008

61, 87.350, 47.008

61, 87.350, 47.008

58, 95.120, 46.021

64, 76.505, 47.261

58, 96.275, 45.865

68, 65.051, 47.159

72, 53.684, 47.068

76, 42.827, 47.100

81, 32.645, 47.277

86, 23.183, 47.584

91, 14.425, 47.994

96, 6.322, 48.450

100, 0.012,
296.813

Harmonies

Complementary

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



61, 87.350, 47.008



73, 45.209, 247.601

Rectangle

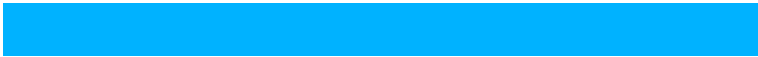
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 87.350, 47.008



61, 87.350, 97.008



61, 87.350, 227.008



61, 87.350, 277.008

Sweetspot

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



61, 87.079, 47.062



86, 21.935, 47.635



58, 93.246, 340.983



44, 14.986, 47.512



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61, 87.079, 47.062



58, 96.275, 45.865



84, 81.437, 86.608



50, 4.309, 48.401



44, 77.049, 46.403



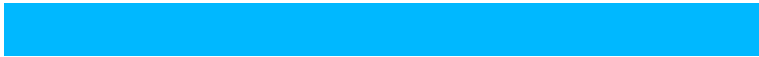
13, 28.833, 42.307

Inverse Universe

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



73, 45.209, 247.601



70, 47.866, 253.270



44, 101.339, 298.464



51, 4.084, 229.747



54, 38.284, 252.323



17, 16.888, 245.513

Previews

White Background



This preview shows how the CIELCh color 61, 87.350, 47.008 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 61, 87.350, 47.008 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 61, 87.350, 47.008

Background



This preview shows how black text looks on a background with the CIELCh color 61, 87.350, 47.008.



This preview shows how white text looks on a background with the CIELCh color 61, 87.350, 47.008.

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

61, 86.919, 47.099

Protanopia

61, 54.818, 95.733

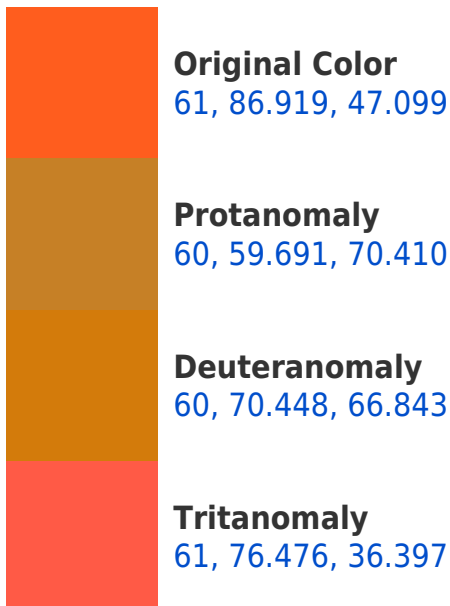
Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 71.154, 27.529

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 87.350, 47.008 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, 93, 30)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 30)  
}
```

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, 93, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 87.350, 47.008 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, 93, 30) }
```

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

```
.border{ border-color:rgb(255, 93, 30) }
```

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

Here you see how a box with a 4 pixel rgb(255, 93, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 30);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 87.350, 47.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 30) }
```

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

```
.background{ background-color: rgb(255, 93,  
30) }
```

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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