

Converting Colors

CIELCh(60, 90.034, 47.307)

Have a look what the booklet for
CIELCh(60, 90.034, 47.307) contains.

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Color

CIELCh(60, 90.218, 47.425)

Conversions

Conversions Part 1

Format	Color
Hex	FF5812
RGB	255, 88, 18
RGB Percent	100%, 35%, 7%
CMY	0.0019, 0.6565, 0.9275
CMYK	0.00, 0.66, 0.93, 0.00
HSL	18°, 100%, 54%
HSV	18°, 93%, 100%
XYZ	44.6289, 28.1233, 3.6689
YIQ	129.9530, 122.0020, 13.6340

Conversions

Conversions Part 2

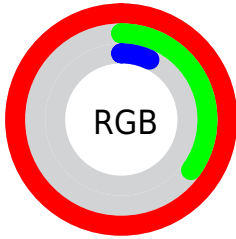
Format	Color
R_{YB}	255, 117, 18
Decimal	16734226
CIE _{Lab}	60.00, 61.04, 66.44
CIE _{LCh}	60, 90.218, 47.425
Yxy	28.1233, 0.5840, 0.3680
Android (android.graphics.Color)	4294924306 (0xFFFF5812)
YUV	129.9530, -55.1928, 109.6662
Hunter-Lab	53.0314, 57.4126, 33.0201

Details

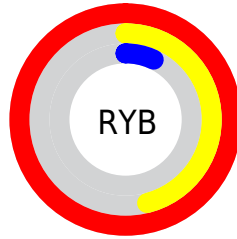
The CIELCh color **60, 90.218, 47.425** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **71, 46.957, 252.183**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.254, 56.464**, and **40, 81.735, 41.342** is the 20% darker color. If you saturate the color by 10%, you get **58, 95.466, 46.453**, and if you desaturate by 10%, it is **63, 80.654, 48.094**.

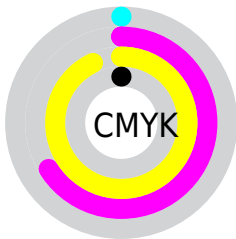
Distribution



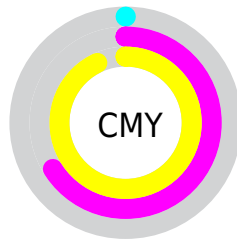
- Red (100%)
- Green (35%)
- Blue (7%)



- Red (100%)
- Yellow (46%)
- Blue (7%)



- Cyan (0%)
- Magenta (66%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 90.218, 47.425 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 60, 90.218, 47.425 by changing the saturation by 10% instead.

 60, 90.218, 47.425

 60, 90.218, 47.425

 100, 90.218,
47.425

 50, 90.218, 47.425

 80, 90.218, 47.425

 40, 90.218, 47.425

 90, 90.218, 47.425

 30, 90.218, 47.425

 20, 90.218, 47.425

 10, 90.218, 47.425

 0, 90.218, 47.425

 60, 90.218, 47.425

 60, 90.218, 47.425

 58, 95.466, 46.453

 63, 80.654, 48.094

 66, 69.537, 48.215

70, 58.168, 48.227

75, 47.158, 48.311

79, 36.761, 48.522

84, 27.062, 48.861

88, 18.064, 49.306

93, 9.733, 49.822

98, 2.013, 50.191

Harmonies

Complementary

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



60, 90.218, 47.425



71, 46.957, 252.183

Rectangle

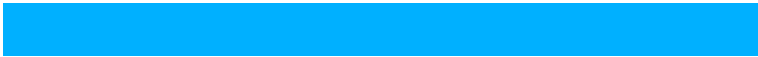
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 90.218, 47.425



60, 90.218, 97.425



60, 90.218, 227.425



60, 90.218, 277.425

Sweetspot

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



60, 90.215, 47.427



86, 22.746, 49.060



57, 92.717, 342.748



44, 15.976, 48.878



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 90.215, 47.427



58, 95.609, 46.449



84, 83.321, 87.279



51, 4.296, 49.991



44, 76.513, 47.008



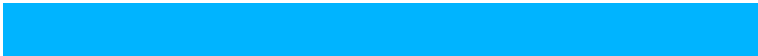
13, 28.652, 43.282

Inverse Universe

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



71, 46.957, 252.183



69, 48.861, 255.858



41, 108.678, 300.473



51, 4.077, 231.448



53, 39.045, 254.896



17, 17.114, 247.938

Previews

White Background



This preview shows how the CIELCh color 60, 90.218, 47.425 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 60, 90.218, 47.425 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 60, 90.218, 47.425

Background



This preview shows how black text looks on a background with the CIELCh color 60, 90.218, 47.425.



This preview shows how white text looks on a background with the CIELCh color 60, 90.218, 47.425.

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

60, 90.397, 47.538

Protanopia

60, 56.925, 95.183

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 73.951, 28.344

Trichromacy



Original Color
60, 90.397, 47.538

Protanomaly
58, 62.186, 70.227

Deuteranomaly
59, 70.628, 66.275

Tritanomaly
60, 79.792, 37.604

Monochromacy



Original Color
60, 90.397, 47.538

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 31.721, 49.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 90.218, 47.425 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, 88, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 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(255, 88, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 90.218, 47.425 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, 88, 18) }
```

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

```
.border{ border-color:rgb(255, 88, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 90.218, 47.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 18) }
```

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

```
.background{ background-color: rgb(255, 88,  
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](#).

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