

Converting Colors

CIELCh(60, 92.913, 49.063)

Have a look what the booklet for
CIELCh(60, 92.913, 49.063) contains.

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Color

CIELCh(60, 92.913, 49.063)

Conversions

Conversions Part 1

Format	Color
Hex	FF5800
RGB	255, 88, 0
RGB Percent	100%, 35%, 0%
CMY	0.0014, 0.6560, 1.0000
CMYK	0.00, 0.66, 1.00, 0.00
HSL	21°, 100%, 50%
HSV	21°, 100%, 100%
XYZ	44.5744, 28.1233, 3.0658
YIQ	127.9010, 127.7800, 8.0360

Conversions

Conversions Part 2

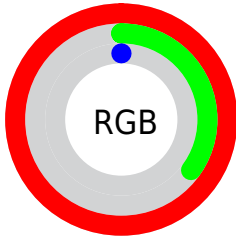
Format	Color
R_{YB}	255, 134, 0
Decimal	16734208
CIE Lab	60.00, 60.88, 70.19
CIE LCh	60, 92.913, 49.063
Yxy	28.1233, 0.5883, 0.3712
Android (android.graphics.Color)	4294924288 (0xFFFF5800)
YUV	127.9010, -63.0552, 111.4658
Hunter-Lab	53.0314, 57.2293, 33.6944

Details

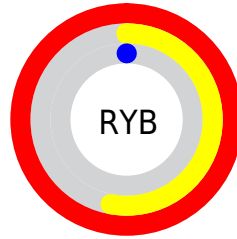
The CIELCh color **60, 92.913, 49.063** is a dark color, and the websafe version is hex **FF6600**, and the color name is **orange (pantone)**. The color can be described as dark saturated red. A complement of this color would be **66, 53.494, 265.045**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 68.100, 58.391**, and **40, 81.617, 41.436** is the 20% darker color. If you saturate the color by 10%, you get **60, 92.848, 49.029**, and if you desaturate by 10%, it is **63, 85.611, 50.833**.

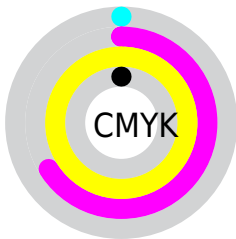
Distribution



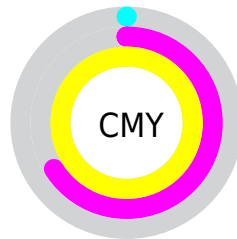
- Red (100%)
- Green (35%)
- Blue (0%)



- Red (100%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (66%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 92.913, 49.063 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, 92.913, 49.063 by changing the saturation by 10% instead.

 60, 92.913, 49.063

 60, 92.913, 49.063

 100, 92.913,
49.063

 50, 92.913, 49.063

 80, 92.913, 49.063

 40, 92.913, 49.063

 90, 92.913, 49.063

 30, 92.913, 49.063

 20, 92.913, 49.063

 10, 92.913, 49.063

 0, 92.913, 49.063

 60, 92.913, 49.063

 60, 92.913, 49.063

 60, 92.848, 49.029

 63, 85.611, 50.833

 66, 75.923, 51.848

69, 65.080, 52.425

73, 54.136, 52.898

77, 43.580, 53.407

82, 33.613, 53.996

86, 24.293, 54.666

91, 15.612, 55.401

95, 7.531, 56.164

Harmonies

Complementary

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



60, 92.913, 49.063



66, 53.494, 265.045

Rectangle

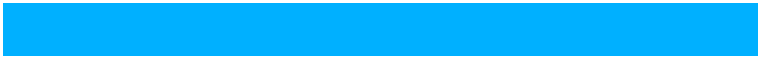
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 92.913, 49.063



60, 92.913, 99.063



60, 92.913, 229.063



60, 92.913, 279.063

Sweetspot

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



60, 92.848, 49.029



86, 24.320, 54.666



56, 90.014, 347.932



44, 16.854, 54.374



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, 92.848, 49.029



60, 92.947, 49.027



86, 86.610, 90.435



51, 4.279, 56.201



46, 74.393, 49.652



14, 28.009, 47.351

Inverse Universe

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



66, 53.494, 265.045



66, 53.553, 265.049



36, 122.723, 303.877



51, 4.086, 238.054



50, 42.653, 264.071



16, 18.254, 256.815

Previews

White Background



This preview shows how the CIELCh color 60, 92.913, 49.063 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, 92.913, 49.063 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, 92.913, 49.063

Background



This preview shows how black text looks on a background with the CIELCh color 60, 92.913, 49.063.



This preview shows how white text looks on a background with the CIELCh color 60, 92.913, 49.063.

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, 92.913, 49.063

Protanopia

60, 59.064, 95.231

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 73.951, 28.344

Trichromacy



Original Color
60, 92.913, 49.063

Protanomaly
58, 64.898, 71.303

Deuteranomaly
59, 71.683, 66.710

Tritanomaly
60, 81.769, 39.630

Monochromacy



Original Color
60, 92.913, 49.063

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 34.457, 53.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 92.913, 49.063 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 92.913, 49.063 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, 0) }
```

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

```
.border{ border-color:rgb(255, 88, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 60, 92.913, 49.063 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, 0) }
```

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

```
.background{ background-color: rgb(255, 88,  
0) }
```

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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