

Converting Colors

CIELCh(61, 86.007, 52.254)

Have a look what the booklet for
CIELCh(61, 86.007, 52.254) contains.

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Color

CIELCh(61, 86.004, 52.216)

Conversions

Conversions Part 1

Format	Color
Hex	F7650C
RGB	247, 101, 12
RGB Percent	97%, 40%, 5%
CMY	0.0298, 0.6025, 0.9544
CMYK	0.00, 0.59, 0.95, 0.03
HSL	23°, 94%, 51%
HSV	23°, 95%, 97%
XYZ	43.2536, 29.2481, 3.7012
YIQ	134.5080, 115.5850, 3.2730

Conversions

Conversions Part 2

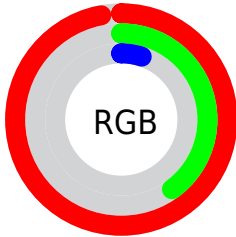
Format	Color
RYB	247, 155, 12
Decimal	16213260
CIELab	61.00, 52.69, 67.97
CIELCh	61, 86.004, 52.216
Yxy	29.2481, 0.5676, 0.3838
Android (android.graphics.Color)	4294403340 (0xFFFF7650C)
YUV	134.5080, -60.3964, 98.6555
Hunter-Lab	54.0815, 48.1190, 33.7994

Details

The CIELCh color **61, 86.004, 52.216** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **63, 54.064, 268.186**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 64.891, 62.123**, and **41, 75.373, 45.173** is the 20% darker color. If you saturate the color by 10%, you get **60, 88.961, 51.190**, and if you desaturate by 10%, it is **64, 78.153, 54.014**.

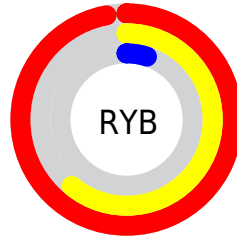
Distribution



Red (97%)

Green (40%)

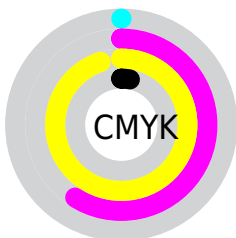
Blue (5%)



Red (97%)

Yellow (61%)

Blue (5%)

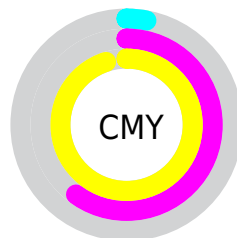


Cyan (0%)

Magenta (59%)

Yellow (95%)

Black (3%)



Cyan (3%)

Magenta (60%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 86.004, 52.216 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, 86.004, 52.216 by changing the saturation by 10% instead.

61, 86.004, 52.216

61, 86.004, 52.216

100, 86.004,
52.216

51, 86.004, 52.216

81, 86.004, 52.216

41, 86.004, 52.216

91, 86.004, 52.216

31, 86.004, 52.216

21, 86.004, 52.216

11, 86.004, 52.216

1, 86.004, 52.216

0, 86.004, 52.216

61, 86.004, 52.216

61, 86.004, 52.216

60, 88.961, 51.190

64, 78.153, 54.014

67, 68.349, 55.092

71, 57.926, 55.891

74, 47.611, 56.633

78, 37.732, 57.405

82, 28.411, 58.231

86, 19.676, 59.108

91, 11.506, 60.016

95, 3.857, 60.880

Harmonies

Complementary

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



61, 86.004, 52.216



63, 54.064, 268.186

Rectangle

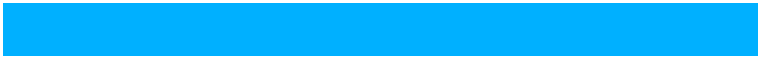
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 86.004, 52.216



61, 86.004, 102.216



61, 86.004, 232.216



61, 86.004, 282.216

Sweetspot

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



61, 86.001, 52.218



87, 23.406, 58.775



55, 86.458, 349.368



45, 16.299, 58.401



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, 86.001, 52.218



61, 91.072, 51.129



86, 85.693, 93.714



50, 4.226, 60.539



46, 72.169, 51.828



13, 26.422, 50.080

Inverse Universe

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



63, 54.064, 268.186



63, 57.530, 270.670



35, 119.004, 303.772



50, 4.057, 242.621



47, 45.243, 269.655



14, 18.686, 262.033

Previews

White Background



This preview shows how the CIELCh color 61, 86.004, 52.216 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, 86.004, 52.216 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, 86.004, 52.216

Background



This preview shows how black text looks on a background with the CIELCh color 61, 86.004, 52.216.



This preview shows how white text looks on a background with the CIELCh color 61, 86.004, 52.216.

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, 85.867, 52.137

Protanopia

61, 60.142, 95.384

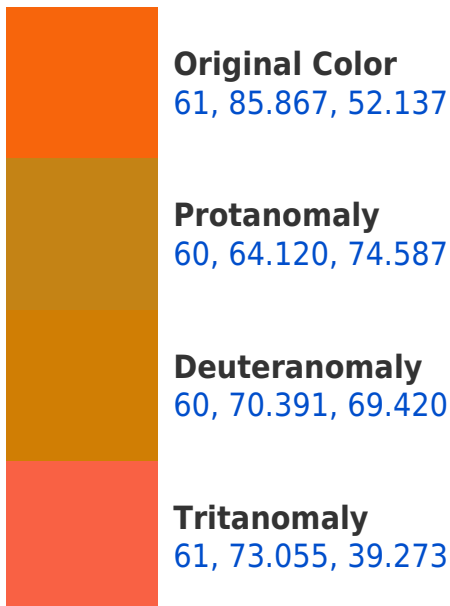
Deuteranopia

61, 66.193, 83.649



Tritanopia
61, 66.450, 25.685

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 86.004, 52.216 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(247, 101, 12)` looks like.

```
.text, #text, p{  
    color:rgb(247, 101, 12)  
}
```

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(247, 101, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 101, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 86.004, 52.216 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(247, 101, 12) }
```

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

```
.border{ border-color:rgb(247, 101, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 101, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 101, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 101, 12);  
box-shadow:4px 4px 4px 4px rgb(247, 101,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 86.004, 52.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 101, 12) }
```

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

```
.background{ background-color: rgb(247,  
101, 12) }
```

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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