

Converting Colors

CIELCh(62, 89.961, 52.523)

Have a look what the booklet for
CIELCh(62, 89.961, 52.523) contains.

CIELCh(62, 89.730, 52.475)	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(62, 89.730, 52.475)

Conversions

Conversions Part 1

Format	Color
Hex	FE6600
RGB	254, 102, 0
RGB Percent	100%, 40%, 0%
CMY	0.0058, 0.6015, 1.0000
CMYK	0.00, 0.60, 1.00, 0.01
HSL	24°, 100%, 50%
HSV	24°, 100%, 99%
XYZ	45.4045, 30.4025, 3.4552
YIQ	135.8200, 123.3340, 0.5020

Conversions

Conversions Part 2

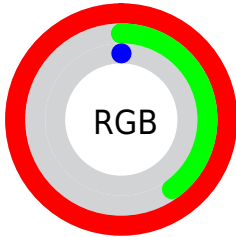
Format	Color
R_{YB}	254, 170, 0
Decimal	16672256
CIE _{Lab}	62.00, 54.66, 71.16
CIE _{LCh}	62, 89.730, 52.475
Yxy	30.4025, 0.5728, 0.3836
Android (android.graphics.Color)	4294862336 (0xFFFE6600)
YUV	135.8200, -66.9593, 103.6439
Hunter-Lab	55.1385, 50.4958, 34.8816

Details

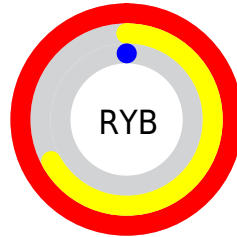
The CIELCh color **62, 89.730, 52.475** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **61, 59.693, 273.522**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 66.698, 63.657**, and **42, 77.934, 44.750** is the 20% darker color. If you saturate the color by 10%, you get **62, 89.636, 52.428**, and if you desaturate by 10%, it is **65, 83.024, 54.728**.

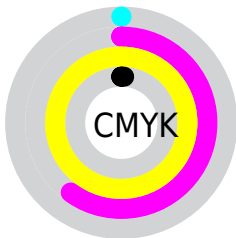
Distribution



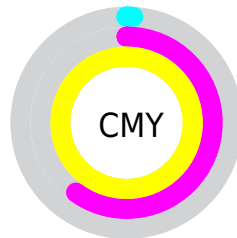
- Red (100%)
- Green (40%)
- Blue (0%)



- Red (100%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (100%)
- Black (1%)



- Cyan (1%)
- Magenta (60%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 89.730, 52.475 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 62, 89.730, 52.475 by changing the saturation by 10% instead.

62, 89.730, 52.475

62, 89.730, 52.475

100, 89.730,
52.475

52, 89.730, 52.475

82, 89.730, 52.475

42, 89.730, 52.475

92, 89.730, 52.475

32, 89.730, 52.475

22, 89.730, 52.475

12, 89.730, 52.475

2, 89.730, 52.475

0, 89.730, 52.475

62, 89.730, 52.475

62, 89.730, 52.475

62, 89.636, 52.428

65, 83.024, 54.728

68, 74.029, 56.254

71, 63.778, 57.309

75, 53.296, 58.205

79, 43.091, 59.081

83, 33.376, 59.988

87, 24.222, 60.937

91, 15.630, 61.916

95, 7.570, 62.897

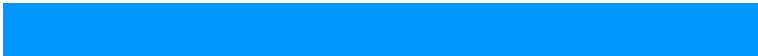
Harmonies

Complementary

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



62, 89.730, 52.475



61, 59.693, 273.522

Rectangle

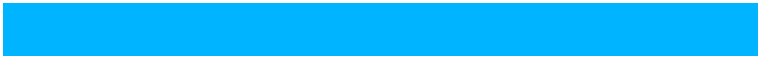
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 89.730, 52.475



62, 89.730, 102.475



62, 89.730, 232.475



62, 89.730, 282.475

Sweetspot

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



62, 89.636, 52.428



87, 24.338, 60.936



55, 86.712, 353.572



45, 16.836, 60.531



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 89.636, 52.428



62, 90.043, 52.416



90, 89.810, 95.848



51, 4.317, 62.944



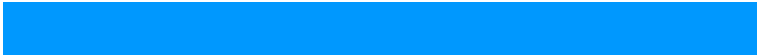
47, 72.113, 53.096



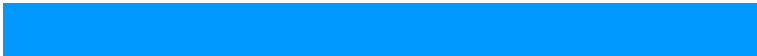
14, 27.456, 52.275

Inverse Universe

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



61, 59.693, 273.522



62, 59.973, 273.538



34, 128.328, 305.250



51, 4.157, 245.140



47, 47.627, 272.590



14, 19.926, 265.404

Previews

White Background



This preview shows how the CIELCh color 62, 89.730, 52.475 looks on a white background.

Color Contrast Check

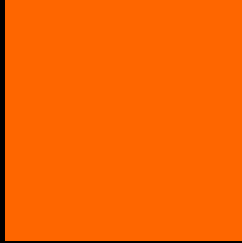
Large Text (above 18pt) WCAG AA × Fail

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 62, 89.730, 52.475 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 89.730, 52.475

Background



This preview shows how black text looks on a background with the CIELCh color 62, 89.730, 52.475.



This preview shows how white text looks on a background with the CIELCh color 62, 89.730, 52.475.

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

62, 89.730, 52.475

Protanopia

62, 61.734, 95.537

Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 67.964, 25.875

Trichromacy



Original Color
62, 89.730, 52.475

Protanomaly
61, 66.258, 74.581

Deuteranomaly
61, 72.324, 69.132

Tritanomaly
62, 76.240, 40.364

Monochromacy



Original Color
62, 89.730, 52.475

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 33.477, 59.170

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 89.730, 52.475 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, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 102, 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(254, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 89.730, 52.475 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, 102, 0) }
```

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

```
.border{ border-color:rgb(254, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 102,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 89.730, 52.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 102, 0) }
```

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

```
.background{ background-color: rgb(254,  
102, 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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