

Converting Colors

CIELCh(62, 90.802, 51.457)

Have a look what the booklet for
CIELCh(62, 90.802, 51.457) contains.

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Color

CIELCh(62, 90.548, 51.536)

Conversions

Conversions Part 1

Format	Color
Hex	FF6402
RGB	255, 100, 2
RGB Percent	100%, 39%, 1%
CMY	0.0000, 0.6097, 0.9926
CMYK	0.00, 0.61, 0.99, 0.00
HSL	23°, 100%, 50%
HSV	23°, 99%, 100%
XYZ	45.9882, 30.4025, 3.4987
YIQ	135.1730, 123.8380, 2.3820

Conversions

Conversions Part 2

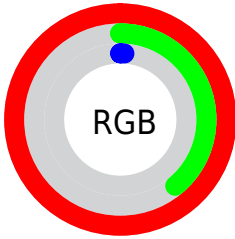
Format	Color
R _Y B	255, 162, 2
Decimal	16737282
CIE Lab	62.00, 56.32, 70.90
CIE LCh	62, 90.548, 51.536
Yxy	30.4025, 0.5756, 0.3806
Android (android.graphics.Color)	4294927362 (0xFFFF6402)
YUV	135.1730, -65.6543, 105.0883
Hunter-Lab	55.1385, 52.3853, 34.8348

Details

The CIELCh color **62, 90.548, 51.536** 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, 57.783, 271.050**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 66.402, 62.485**, and **42, 78.868, 44.135** is the 20% darker color. If you saturate the color by 10%, you get **62, 90.808, 51.450**, and if you desaturate by 10%, it is **65, 83.387, 53.766**.

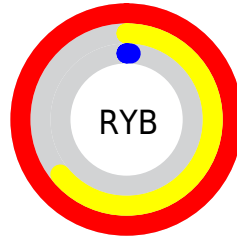
Distribution



Red (100%)

Green (39%)

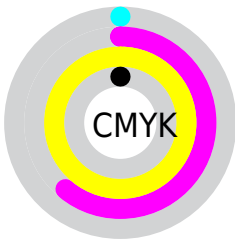
Blue (1%)



Red (100%)

Yellow (64%)

Blue (1%)

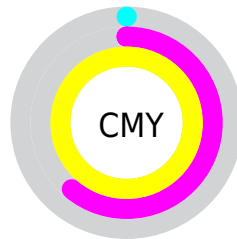


Cyan (0%)

Magenta (61%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 90.548, 51.536 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, 90.548, 51.536 by changing the saturation by 10% instead.

62, 90.548, 51.536

62, 90.548, 51.536

100, 90.548,
51.536

52, 90.548, 51.536

82, 90.548, 51.536

42, 90.548, 51.536

92, 90.548, 51.536

32, 90.548, 51.536

22, 90.548, 51.536

12, 90.548, 51.536

2, 90.548, 51.536

0, 90.548, 51.536

62, 90.548, 51.536

62, 90.548, 51.536

62, 90.808, 51.450

65, 83.387, 53.766

68, 74.024, 55.118

71, 63.530, 56.037

75, 52.895, 56.824

79, 42.594, 57.612

83, 32.822, 58.444

87, 23.641, 59.328

91, 15.045, 60.250

96, 6.997, 61.175

Harmonies

Complementary

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



62, 90.548, 51.536



63, 57.783, 271.050

Rectangle

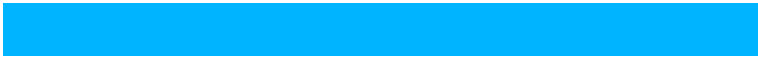
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 90.548, 51.536



62, 90.548, 101.536



62, 90.548, 231.536



62, 90.548, 281.536

Sweetspot

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



62, 90.326, 51.602



87, 24.304, 59.260



56, 87.742, 351.902



44, 16.821, 58.883



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, 90.326, 51.602



62, 90.808, 51.450



90, 89.144, 94.614



51, 4.301, 61.153



47, 72.711, 52.117



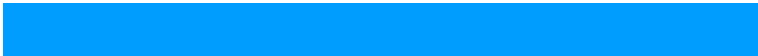
14, 27.586, 50.913

Inverse Universe

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



63, 57.783, 271.050



63, 58.139, 271.420



34, 127.051, 304.865



51, 4.132, 243.268



48, 46.202, 270.460



15, 19.439, 263.224

Previews

White Background



This preview shows how the CIELCh color 62, 90.548, 51.536 looks on a white background.

Color Contrast Check

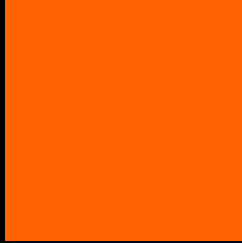
Large Text (above 18pt) WCAG AA × Fail

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, 90.548, 51.536 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, 90.548, 51.536

Background



This preview shows how black text looks on a background with the CIELCh color 62, 90.548, 51.536.



This preview shows how white text looks on a background with the CIELCh color 62, 90.548, 51.536.

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, 90.218, 51.714

Protanopia

62, 61.457, 95.058

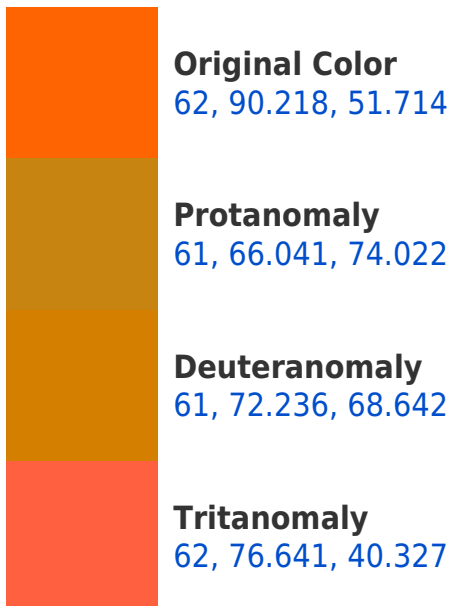
Deuteranopia

62, 66.951, 83.499



Tritanopia
62, 68.147, 26.312

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 90.548, 51.536 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, 100, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 2)  
}
```

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, 100, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 90.548, 51.536 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, 100, 2) }
```

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

```
.border{ border-color:rgb(255, 100, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 90.548, 51.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 2) }
```

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

```
.background{ background-color: rgb(255,  
100, 2) }
```

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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