

Converting Colors

CIELCh(62, 90.847, 51.402)

Have a look what the booklet for
CIELCh(62, 90.847, 51.402) contains.

CIELCh(62, 90.417, 51.464)	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, 90.417, 51.464)

Conversions

Conversions Part 1

Format	Color
Hex	FF6403
RGB	255, 100, 3
RGB Percent	100%, 39%, 1%
CMY	0.0000, 0.6097, 0.9886
CMYK	0.00, 0.61, 0.99, 0.00
HSL	23°, 100%, 51%
HSV	23°, 99%, 100%
XYZ	45.9908, 30.4025, 3.5274
YIQ	135.2870, 123.5170, 2.6930

Conversions

Conversions Part 2

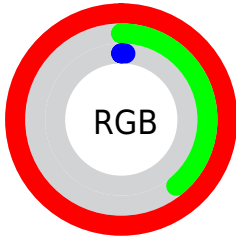
Format	Color
R_{YB}	255, 161, 3
Decimal	16737283
CIE _{Lab}	62.00, 56.33, 70.73
CIE _{LCh}	62, 90.417, 51.464
Yxy	30.4025, 0.5755, 0.3804
Android (android.graphics.Color)	4294927363 (0xFFFF6403)
YUV	135.2870, -65.2175, 104.9883
Hunter-Lab	55.1385, 52.3938, 34.8040

Details

The CIELCh color **62, 90.417, 51.464** 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, 57.310, 270.494**, and the grayscale version is **57, 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, 90.934, 51.296**, and if you desaturate by 10%, it is **65, 83.153, 53.656**.

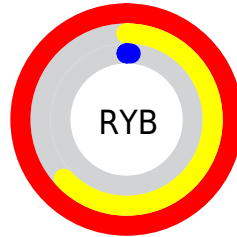
Distribution



Red (100%)

Green (39%)

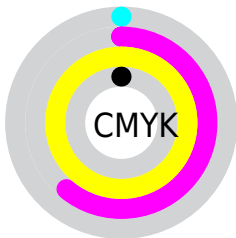
Blue (1%)



Red (100%)

Yellow (63%)

Blue (1%)

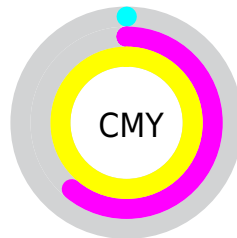


Cyan (0%)

Magenta (61%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 90.417, 51.464 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, 90.417, 51.464 by changing the saturation by 10% instead.

62, 90.417, 51.464

62, 90.417, 51.464

100, 90.417,
51.464

52, 90.417, 51.464

82, 90.417, 51.464

42, 90.417, 51.464

92, 90.417, 51.464

32, 90.417, 51.464

22, 90.417, 51.464

12, 90.417, 51.464

2, 90.417, 51.464

0, 90.417, 51.464

62, 90.417, 51.464

62, 90.417, 51.464

62, 90.934, 51.296

65, 83.153, 53.656

68, 73.688, 54.961

71, 63.149, 55.850

75, 52.503, 56.619

79, 42.208, 57.393

83, 32.451, 58.214

87, 23.288, 59.088

92, 14.713, 60.001

96, 6.687, 60.915

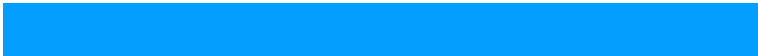
Harmonies

Complementary

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



62, 90.417, 51.464



63, 57.310, 270.494

Rectangle

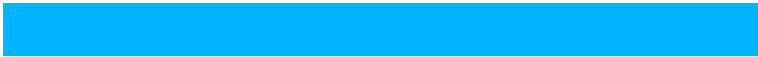
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 90.417, 51.464



62, 90.417, 101.464



62, 90.417, 231.464



62, 90.417, 281.464

Sweetspot

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



62, 90.197, 51.529



87, 24.300, 58.986



56, 88.468, 350.378



44, 16.820, 58.614



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, 90.197, 51.529



62, 90.934, 51.296



89, 88.185, 93.328



51, 4.299, 60.859



47, 72.810, 51.961



14, 27.608, 50.693

Inverse Universe

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



63, 57.310, 270.494



63, 57.846, 271.063



35, 125.222, 304.464



51, 4.128, 242.960



48, 45.976, 270.101



15, 19.362, 262.859

Previews

White Background



This preview shows how the CIELCh color 62, 90.417, 51.464 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, 90.417, 51.464 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, 90.417, 51.464

Background



This preview shows how black text looks on a background with the CIELCh color 62, 90.417, 51.464.



This preview shows how white text looks on a background with the CIELCh color 62, 90.417, 51.464.

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, 90.089, 51.643

Protanopia

62, 61.457, 95.058

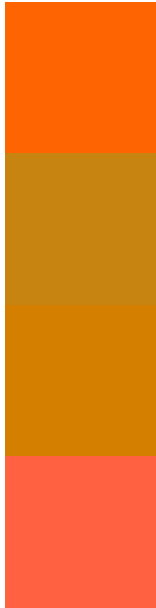
Deuteranopia

62, 66.951, 83.499



Tritanopia
62, 68.147, 26.312

Trichromacy



Original Color
62, 90.089, 51.643

Protanomaly
61, 66.041, 74.022

Deuteranomaly
61, 72.236, 68.642

Tritanomaly
62, 76.349, 40.023

Monochromacy



Original Color
62, 90.089, 51.643

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 33.472, 56.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 90.417, 51.464 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 90.417, 51.464 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, 3) }
```

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

```
.border{ border-color:rgb(255, 100, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 90.417, 51.464 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, 3) }
```

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

```
.background{ background-color: rgb(255,  
100, 3) }
```

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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