

Converting Colors

CIELCh(62, 87.703, 51.809)

Have a look what the booklet for
CIELCh(62, 87.703, 51.809) contains.

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Color

CIELCh(62, 87.840, 51.739)

Conversions

Conversions Part 1

Format	Color
Hex	FD660C
RGB	253, 102, 12
RGB Percent	99%, 40%, 5%
CMY	0.0080, 0.6000, 0.9531
CMYK	0.00, 0.60, 0.95, 0.01
HSL	22°, 98%, 52%
HSV	22°, 95%, 99%
XYZ	45.3137, 30.4025, 3.8266
YIQ	136.8890, 118.8860, 4.0220

Conversions

Conversions Part 2

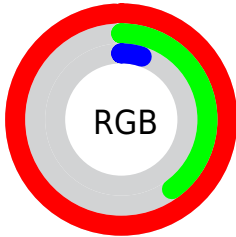
Format	Color
R _Y B	253, 156, 12
Decimal	16606732
CIE Lab	62.00, 54.39, 68.97
CIE LCh	62, 87.840, 51.739
Yxy	30.4025, 0.5697, 0.3822
Android (android.graphics.Color)	4294796812 (0xFFFD660C)
YUV	136.8890, -61.5703, 101.8293
Hunter-Lab	55.1385, 50.2018, 34.4822

Details

The CIELCh color **62, 87.840, 51.739** 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 **64, 54.287, 267.172**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 64.856, 62.624**, and **42, 77.373, 45.008** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.870, 50.716**, and if you desaturate by 10%, it is **65, 79.781, 53.484**.

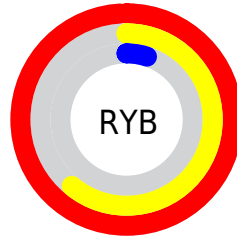
Distribution



Red (99%)

Green (40%)

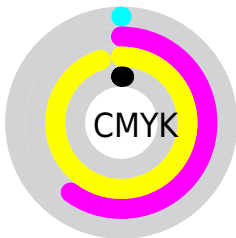
Blue (5%)



Red (99%)

Yellow (61%)

Blue (5%)

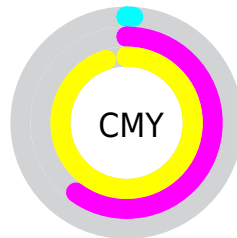


Cyan (0%)

Magenta (60%)

Yellow (95%)

Black (1%)



Cyan (1%)

Magenta (60%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 87.840, 51.739 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, 87.840, 51.739 by changing the saturation by 10% instead.

62, 87.840, 51.739

62, 87.840, 51.739

100, 87.840,
51.739

52, 87.840, 51.739

82, 87.840, 51.739

42, 87.840, 51.739

92, 87.840, 51.739

32, 87.840, 51.739

22, 87.840, 51.739

12, 87.840, 51.739

2, 87.840, 51.739

0, 87.840, 51.739

62, 87.840, 51.739

62, 87.840, 51.739

61, 90.870, 50.716

65, 79.781, 53.484

68, 69.729, 54.504

72, 59.055, 55.250

76, 48.506, 55.944

80, 38.413, 56.674

84, 28.901, 57.464

88, 19.996, 58.310

92, 11.675, 59.191

97, 3.894, 60.029

Harmonies

Complementary

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



62, 87.840, 51.739



64, 54.287, 267.172

Rectangle

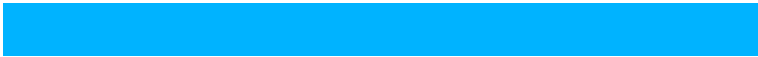
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 87.840, 51.739



62, 87.840, 101.739



62, 87.840, 231.739



62, 87.840, 281.739

Sweetspot

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



62, 87.837, 51.741



87, 23.400, 57.988



56, 87.928, 349.388



45, 16.298, 57.628



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, 87.837, 51.741



61, 91.435, 50.700



88, 87.161, 93.706



51, 4.291, 59.695



47, 73.202, 51.356



14, 27.701, 49.834

Inverse Universe

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



64, 54.287, 267.172



64, 56.714, 269.626



36, 121.102, 303.788



51, 4.115, 241.739



48, 45.098, 268.658



15, 19.065, 261.397

Previews

White Background



This preview shows how the CIELCh color 62, 87.840, 51.739 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, 87.840, 51.739 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, 87.840, 51.739

Background



This preview shows how black text looks on a background with the CIELCh color 62, 87.840, 51.739.



This preview shows how white text looks on a background with the CIELCh color 62, 87.840, 51.739.

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, 87.840, 51.739

Protanopia

62, 60.941, 95.527

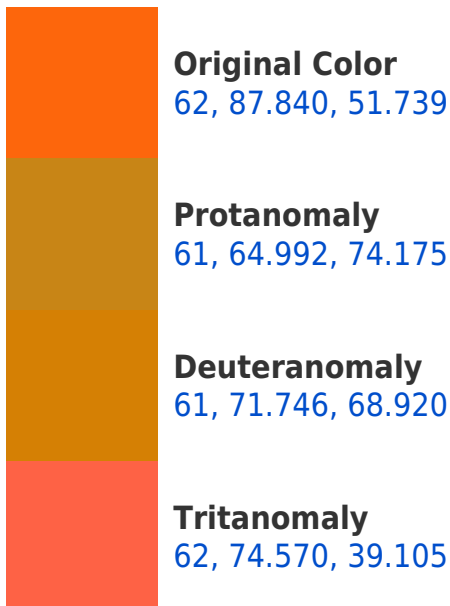
Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 67.964, 25.875

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 87.840, 51.739 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(253, 102, 12)` looks like.

```
.text, #text, p{  
    color:rgb(253, 102, 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(253, 102, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 102, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 87.840, 51.739 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(253, 102, 12) }
```

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

```
.border{ border-color:rgb(253, 102, 12) }
```

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

Here you see how a box with a 4 pixel rgb(253, 102, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 102, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 102, 12);  
box-shadow:4px 4px 4px 4px rgb(253, 102,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 87.840, 51.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 102, 12) }
```

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

```
.background{ background-color: rgb(253,  
102, 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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