

Converting Colors

CIELCh(62, 87.002, 51.959)

Have a look what the booklet for
CIELCh(62, 87.002, 51.959) contains.

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Color

CIELCh(62, 87.002, 51.959)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FC670E |
| RGB | 252, 103, 14 |
| RGB Percent | 99%, 40%, 5% |
| CMY | 0.0120, 0.5963, 0.9455 |
| CMYK | 0.00, 0.59, 0.94, 0.01 |
| HSL | 22°, 97%, 52% |
| HSV | 22°, 94%, 99% |
| XYZ | 45.0422, 30.4025, 3.9063 |
| YIQ | 137.4050, 117.3730, 3.9090 |

Conversions

Conversions Part 2

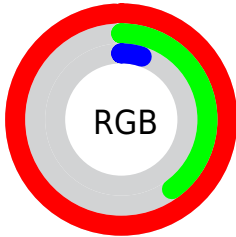
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 252, 156, 14 |
| Decimal | 16541454 |
| CIE Lab | 62.00, 53.61, 68.52 |
| CIE LCh | 62, 87.002, 51.959 |
| Yxy | 30.4025, 0.5676, 0.3831 |
| Android (android.graphics.Color) | 4294731534 (0xFFFC670E) |
| YUV | 137.4050, -60.8387, 100.4998 |
| Hunter-Lab | 55.1385, 49.3229, 34.3966 |

Details

The CIELCh color **62, 87.002, 51.959** 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, 53.830, 266.838**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 64.452, 62.909**, and **42, 76.808, 45.277** is the 20% darker color. If you saturate the color by 10%, you get **61, 90.549, 50.759**, and if you desaturate by 10%, it is **65, 78.754, 53.629**.

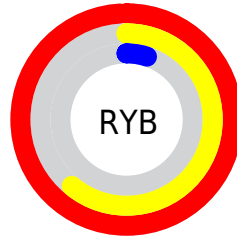
Distribution



Red (99%)

Green (40%)

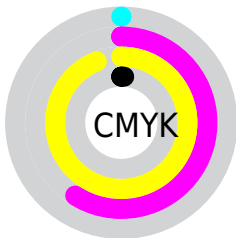
Blue (5%)



Red (99%)

Yellow (61%)

Blue (5%)

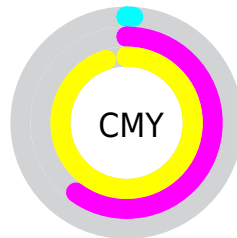


Cyan (0%)

Magenta (59%)

Yellow (94%)

Black (1%)



Cyan (1%)

Magenta (60%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 87.002, 51.959 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, 87.002, 51.959 by changing the saturation by 10% instead.

62, 87.002, 51.959

62, 87.002, 51.959

100, 87.002,
51.959

52, 87.002, 51.959

82, 87.002, 51.959

42, 87.002, 51.959

92, 87.002, 51.959

32, 87.002, 51.959

22, 87.002, 51.959

12, 87.002, 51.959

2, 87.002, 51.959

0, 87.002, 51.959

62, 87.002, 51.959

62, 87.002, 51.959

61, 90.549, 50.759

65, 78.754, 53.629

68, 68.649, 54.619

72, 58.006, 55.359

76, 47.524, 56.057

80, 37.511, 56.795

84, 28.081, 57.593

88, 19.254, 58.445

92, 11.006, 59.330

97, 3.291, 60.149

Harmonies

Complementary

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



62, 87.002, 51.959



64, 53.830, 266.838

Rectangle

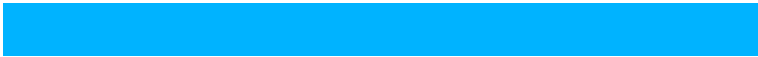
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 87.002, 51.959



62, 87.002, 101.959



62, 87.002, 231.959



62, 87.002, 281.959

Sweetspot

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



62, 86.999, 51.961



87, 22.515, 58.138



56, 87.632, 349.174



45, 15.780, 57.772



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, 86.999, 51.961



61, 91.405, 50.735



88, 86.754, 93.790



50, 4.221, 59.767



46, 72.427, 51.427



13, 26.482, 49.500

Inverse Universe

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



64, 53.830, 266.838



64, 56.781, 269.713



36, 119.910, 303.621



50, 4.048, 241.810



48, 44.670, 268.694



14, 18.499, 261.061

Previews

White Background



This preview shows how the CIELCh color 62, 87.002, 51.959 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, 87.002, 51.959 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, 87.002, 51.959

Background



This preview shows how black text looks on a background with the CIELCh color 62, 87.002, 51.959.



This preview shows how white text looks on a background with the CIELCh color 62, 87.002, 51.959.

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, 87.002, 51.959

Protanopia

62, 60.662, 95.524

Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 67.100, 25.676

Trichromacy



Original Color
62, 87.002, 51.959

Protanomaly
61, 64.291, 74.871

Deuteranomaly
61, 71.603, 68.867

Tritanomaly
62, 73.656, 39.126

Monochromacy



Original Color
62, 87.002, 51.959

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 31.367, 57.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 87.002, 51.959 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(252, 103, 14)` looks like.

```
.text, #text, p{  
    color:rgb(252, 103, 14)  
}
```

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(252, 103, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 103, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 87.002, 51.959 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(252, 103, 14) }
```

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

```
.border{ border-color:rgb(252, 103, 14) }
```

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

Here you see how a box with a 4 pixel rgb(252, 103, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 103, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 103, 14);  
box-shadow:4px 4px 4px 4px rgb(252, 103,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 87.002, 51.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 103, 14) }
```

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

```
.background{ background-color: rgb(252,  
103, 14) }
```

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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