

Converting Colors

CIELCh(62, 83.960, 56.519)

Have a look what the booklet for
CIELCh(62, 83.960, 56.519) contains.

CIELCh(62, 84.048, 56.404)	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, 84.048, 56.404)

Conversions

Conversions Part 1

Format	Color
Hex	F36F01
RGB	243, 111, 1
RGB Percent	95%, 44%, 0%
CMY	0.0473, 0.5649, 0.9964
CMYK	0.00, 0.54, 1.00, 0.05
HSL	27°, 99%, 48%
HSV	27°, 100%, 95%
XYZ	42.6235, 30.4025, 3.6478
YIQ	137.9280, 113.9820, -6.2260

Conversions

Conversions Part 2

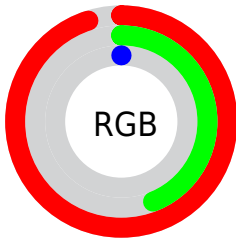
Format	Color
RYB	243, 203, 1
Decimal	15953665
CIELab	62.00, 46.51, 70.01
CIELCh	62, 84.048, 56.404
Yxy	30.4025, 0.5559, 0.3965
Android (android.graphics.Color)	4294143745 (0xFFFF36F01)
YUV	137.9280, -67.5055, 92.1481
Hunter-Lab	55.1385, 41.4930, 34.6745

Details

The CIELCh color **62, 84.048, 56.404** 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 **55, 64.291, 279.961**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.259, 67.385**, and **42, 71.499, 48.713** is the 20% darker color. If you saturate the color by 10%, you get **62, 84.256, 56.314**, and if you desaturate by 10%, it is **65, 78.205, 59.000**.

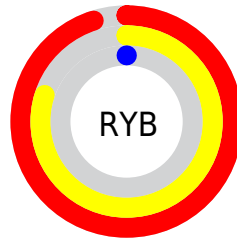
Distribution



Red (95%)

Green (44%)

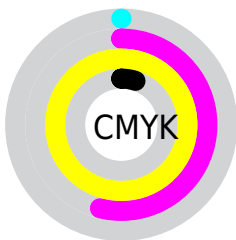
Blue (0%)



Red (95%)

Yellow (80%)

Blue (0%)

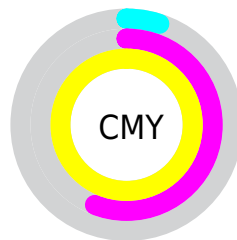


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (56%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 84.048, 56.404 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, 84.048, 56.404 by changing the saturation by 10% instead.

 62, 84.048, 56.404

 62, 84.048, 56.404

 100, 84.048,
56.404

 52, 84.048, 56.404

 82, 84.048, 56.404

 42, 84.048, 56.404

 92, 84.048, 56.404

 32, 84.048, 56.404

 22, 84.048, 56.404

 12, 84.048, 56.404

 2, 84.048, 56.404

 0, 84.048, 56.404

 62, 84.048, 56.404

 62, 84.048, 56.404

 62, 84.256, 56.314

 65, 78.205, 59.000

67, 70.096, 60.856

71, 60.696, 62.248

74, 50.952, 63.453

77, 41.356, 64.601

81, 32.130, 65.744

84, 23.355, 66.895

88, 15.045, 68.048

92, 7.178, 69.180

Harmonies

Complementary

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



62, 84.048, 56.404



55, 64.291, 279.961

Rectangle

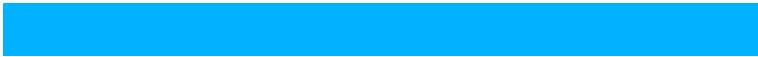
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 84.048, 56.404



62, 84.048, 106.404



62, 84.048, 236.404



62, 84.048, 286.404

Sweetspot

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



62, 84.045, 56.406



88, 24.631, 66.842



53, 82.448, 357.907



45, 17.006, 66.355



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, 84.045, 56.406



65, 87.469, 56.208



90, 89.954, 99.543



49, 4.263, 69.194



48, 68.689, 56.992



14, 24.721, 56.822

Inverse Universe

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



55, 64.291, 279.961



58, 67.102, 280.267



31, 126.809, 305.829



49, 4.140, 251.606



43, 52.028, 279.276



12, 20.464, 271.620

Previews

White Background



This preview shows how the CIELCh color 62, 84.048, 56.404 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, 84.048, 56.404 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, 84.048, 56.404

Background



This preview shows how black text looks on a background with the CIELCh color 62, 84.048, 56.404.



This preview shows how white text looks on a background with the CIELCh color 62, 84.048, 56.404.

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, 84.048, 56.404

Protanopia

62, 62.462, 95.544

Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 60.457, 23.703

Trichromacy



Original Color
62, 84.048, 56.404

Protanomaly
61, 65.775, 77.552

Deuteranomaly
61, 71.074, 71.600

Tritanomaly
62, 68.875, 41.953

Monochromacy



Original Color
62, 84.048, 56.404

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 32.011, 64.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 84.048, 56.404 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(243, 111, 1)` looks like.

```
.text, #text, p{  
    color:rgb(243, 111, 1)  
}
```

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(243, 111, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 111, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 84.048, 56.404 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(243, 111, 1) }
```

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

```
.border{ border-color:rgb(243, 111, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 111, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 111, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 111, 1);  
box-shadow:4px 4px 4px 4px rgb(243, 111,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 84.048, 56.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 111, 1) }
```

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

```
.background{ background-color: rgb(243,  
111, 1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor