

Converting Colors

CIELCh(62, 83.257, 56.257)

Have a look what the booklet for
CIELCh(62, 83.257, 56.257) contains.

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Color

CIELCh(62, 83.519, 56.135)

Conversions

Conversions Part 1

Format	Color
Hex	F36F05
RGB	243, 111, 5
RGB Percent	95%, 44%, 2%
CMY	0.0474, 0.5650, 0.9809
CMYK	0.00, 0.54, 0.98, 0.05
HSL	27°, 96%, 49%
HSV	27°, 98%, 95%
XYZ	42.6347, 30.4025, 3.7607
YIQ	138.3840, 112.6980, -4.9820

Conversions

Conversions Part 2

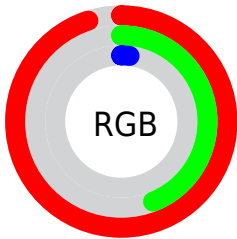
Format	Color
R_{YB}	243, 196, 5
Decimal	15953669
CIE _{Lab}	62.00, 46.54, 69.35
CIE _{LCh}	62, 83.519, 56.135
Yxy	30.4025, 0.5552, 0.3959
Android (android.graphics.Color)	4294143749 (0xFFFF36F05)
YUV	138.3840, -65.7583, 91.7482
Hunter-Lab	55.1385, 41.5291, 34.5531

Details

The CIELCh color **62, 83.519, 56.135** 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 **56, 62.112, 278.140**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 65.513, 67.028**, and **42, 71.499, 48.713** is the 20% darker color. If you saturate the color by 10%, you get **61, 84.644, 55.637**, and if you desaturate by 10%, it is **65, 77.266, 58.614**.

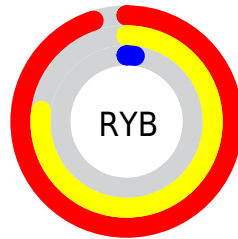
Distribution



Red (95%)

Green (44%)

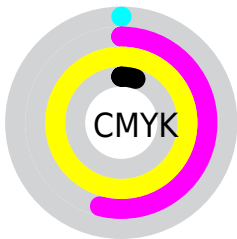
Blue (2%)



Red (95%)

Yellow (77%)

Blue (2%)

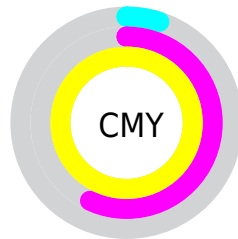


Cyan (0%)

Magenta (54%)

Yellow (98%)

Black (5%)



Cyan (5%)

Magenta (57%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 83.519, 56.135 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, 83.519, 56.135 by changing the saturation by 10% instead.

62, 83.519, 56.135

62, 83.519, 56.135

100, 83.519,
56.135

52, 83.519, 56.135

82, 83.519, 56.135

42, 83.519, 56.135

92, 83.519, 56.135

32, 83.519, 56.135

22, 83.519, 56.135

12, 83.519, 56.135

2, 83.519, 56.135

0, 83.519, 56.135

62, 83.519, 56.135

62, 83.519, 56.135

61, 84.644, 55.637

65, 77.266, 58.614

68, 68.746, 60.314

71, 59.154, 61.610

74, 49.353, 62.753

78, 39.774, 63.859

81, 30.604, 64.969

85, 21.906, 66.092

89, 13.684, 67.220

93, 5.911, 68.318

Harmonies

Complementary

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



62, 83.519, 56.135



56, 62.112, 278.140

Rectangle

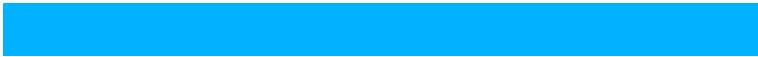
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 83.519, 56.135



62, 83.519, 106.135



62, 83.519, 236.135



62, 83.519, 286.135

Sweetspot

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



62, 83.516, 56.137



88, 23.675, 65.970



53, 82.810, 355.805



45, 16.448, 65.489



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, 83.516, 56.137



64, 87.881, 55.531



89, 88.642, 98.452



49, 4.245, 68.160



48, 68.998, 56.313



14, 24.758, 55.911

Inverse Universe

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



56, 62.112, 278.140



58, 65.842, 279.218



32, 125.004, 305.484



49, 4.116, 250.541



43, 51.068, 278.215



12, 20.143, 270.496

Previews

White Background



This preview shows how the CIELCh color 62, 83.519, 56.135 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, 83.519, 56.135 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, 83.519, 56.135

Background



This preview shows how black text looks on a background with the CIELCh color 62, 83.519, 56.135.



This preview shows how white text looks on a background with the CIELCh color 62, 83.519, 56.135.

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, 83.519, 56.135

Protanopia

62, 62.226, 95.542

Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 60.457, 23.703

Trichromacy



Original Color
62, 83.519, 56.135

Protanomaly
61, 65.412, 77.454

Deuteranomaly
61, 70.782, 71.503

Tritanomaly
62, 68.269, 41.266

Monochromacy



Original Color
62, 83.519, 56.135

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 31.138, 63.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 83.519, 56.135 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(243, 111, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 111, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 83.519, 56.135 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, 5) }
```

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

```
.border{ border-color:rgb(243, 111, 5) }
```

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, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 111, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 111, 5);  
box-shadow:4px 4px 4px 4px rgb(243, 111,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 83.519, 56.135 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, 5) }
```

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

```
.background{ background-color: rgb(243,  
111, 5) }
```

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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