

Converting Colors

CIELCh(60, 82.099, 56.437)

Have a look what the booklet for
CIELCh(60, 82.099, 56.437) contains.

CIELCh(60, 82.099, 56.437)	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(60, 82.099, 56.437)

Conversions

Conversions Part 1

Format	Color
Hex	EB6B00
RGB	235, 107, 0
RGB Percent	92%, 42%, 0%
CMY	0.0791, 0.5809, 1.0000
CMYK	0.00, 0.54, 1.00, 0.08
HSL	27°, 100%, 46%
HSV	27°, 100%, 92%
XYZ	39.4518, 28.1233, 3.3425
YIQ	133.0740, 110.6350, -6.1410

Conversions

Conversions Part 2

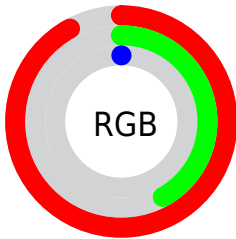
Format	Color
R_{YB}	235, 196, 0
Decimal	15428352
CIE _{Lab}	60.00, 45.39, 68.41
CIE _{LCh}	60, 82.099, 56.437
Yxy	28.1233, 0.5563, 0.3966
Android (android.graphics.Color)	4293618432 (0xFFEB6B00)
YUV	133.0740, -65.6055, 89.3891
Hunter-Lab	53.0314, 39.9871, 33.3850

Details

The CIELCh color **60, 82.099, 56.437** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **53, 62.839, 280.086**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.623, 65.603**, and **40, 69.341, 48.405** is the 20% darker color. If you saturate the color by 10%, you get **60, 82.065, 56.423**, and if you desaturate by 10%, it is **63, 76.358, 58.989**.

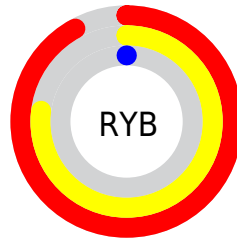
Distribution



Red (92%)

Green (42%)

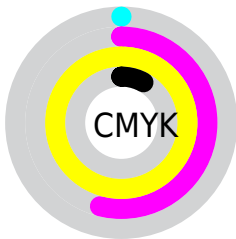
Blue (0%)



Red (92%)

Yellow (77%)

Blue (0%)

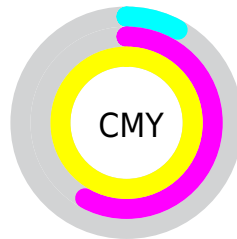


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 82.099, 56.437 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 60, 82.099, 56.437 by changing the saturation by 10% instead.

60, 82.099, 56.437

60, 82.099, 56.437

100, 82.099,
56.437

50, 82.099, 56.437

80, 82.099, 56.437

40, 82.099, 56.437

90, 82.099, 56.437

30, 82.099, 56.437

20, 82.099, 56.437

10, 82.099, 56.437

0, 82.099, 56.437

60, 82.099, 56.437

60, 82.099, 56.437

60, 82.065, 56.423

63, 76.358, 58.989

65, 68.514, 60.858

68, 59.390, 62.257

71, 49.914, 63.464

75, 40.572, 64.613

78, 31.585, 65.755

82, 23.034, 66.904

85, 14.934, 68.057

89, 7.265, 69.189

Harmonies

Complementary

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



60, 82.099, 56.437



53, 62.839, 280.086

Rectangle

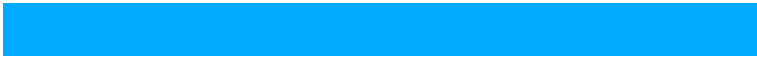
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 82.099, 56.437



60, 82.099, 106.437



60, 82.099, 236.437



60, 82.099, 286.437

Sweetspot

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



60, 82.065, 56.423



88, 24.634, 66.889



51, 80.407, 357.965



45, 17.008, 66.401



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60, 82.065, 56.423



65, 87.449, 56.240



87, 87.744, 99.534



47, 4.117, 69.248



47, 67.236, 57.106



12, 22.251, 56.160

Inverse Universe

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



53, 62.839, 280.086



58, 67.162, 280.316



30, 123.698, 305.839



47, 3.999, 251.651



42, 50.917, 279.222



10, 19.047, 270.660

Previews

White Background



This preview shows how the CIELCh color 60, 82.099, 56.437 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 82.099, 56.437 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 82.099, 56.437

Background



This preview shows how black text looks on a background with the CIELCh color 60, 82.099, 56.437.



This preview shows how white text looks on a background with the CIELCh color 60, 82.099, 56.437.

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

60, 82.099, 56.437

Protanopia

60, 60.724, 95.302

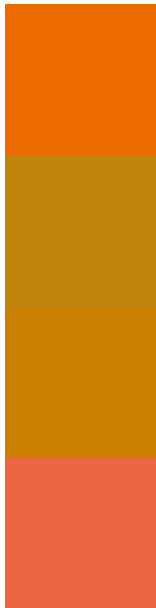
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 59.120, 23.648

Trichromacy



Original Color
60, 82.099, 56.437

Protanomaly
59, 64.142, 77.661

Deuteranomaly
60, 69.270, 71.858

Tritanomaly
60, 67.354, 41.980

Monochromacy



Original Color
60, 82.099, 56.437

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 31.128, 65.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 82.099, 56.437 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(235, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 107, 0)  
}
```

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(235, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 107, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 82.099, 56.437 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(235, 107, 0) }
```

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

```
.border{ border-color:rgb(235, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(235, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 107,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 82.099, 56.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 107, 0) }
```

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

```
.background{ background-color: rgb(235,  
107, 0) }
```

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