

Converting Colors

CIELCh(60, 82.768, 56.254)

Have a look what the booklet for
CIELCh(60, 82.768, 56.254) contains.

CIELCh(60, 82.628, 55.966)	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, 82.628, 55.966)

Conversions

Conversions Part 1

Format	Color
Hex	EC6A00
RGB	236, 106, 0
RGB Percent	93%, 42%, 0%
CMY	0.0747, 0.5844, 1.0000
CMYK	0.00, 0.55, 1.00, 0.07
HSL	27°, 100%, 46%
HSV	27°, 100%, 93%
XYZ	39.7244, 28.1233, 3.3325
YIQ	132.7860, 111.5060, -5.4060

Conversions

Conversions Part 2

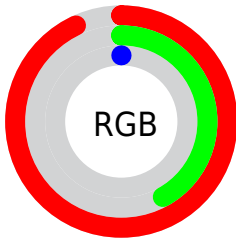
Format	Color
RYB	236, 192, 0
Decimal	15493632
CIELab	60.00, 46.25, 68.47
CIELCh	60, 82.628, 55.966
Yxy	28.1233, 0.5581, 0.3951
Android (android.graphics.Color)	4293683712 (0xFFEC6A00)
YUV	132.7860, -65.4635, 90.5187
Hunter-Lab	53.0314, 40.9044, 33.3963

Details

The CIELCh color **60, 82.628, 55.966** 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 **54, 62.297, 279.409**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 66.634, 65.116**, and **40, 69.941, 48.003** is the 20% darker color. If you saturate the color by 10%, you get **60, 82.615, 55.963**, and if you desaturate by 10%, it is **63, 76.816, 58.502**.

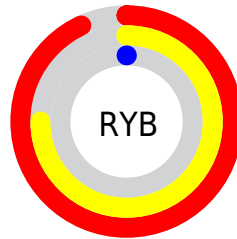
Distribution



Red (93%)

Green (42%)

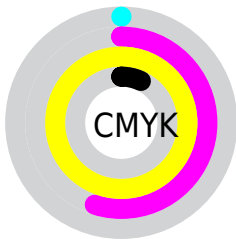
Blue (0%)



Red (93%)

Yellow (75%)

Blue (0%)

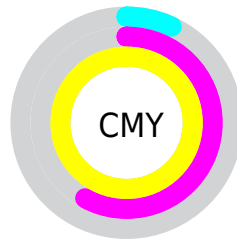


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 82.628, 55.966 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, 82.628, 55.966 by changing the saturation by 10% instead.

60, 82.628, 55.966

60, 82.628, 55.966

100, 82.628,
55.966

50, 82.628, 55.966

80, 82.628, 55.966

40, 82.628, 55.966

90, 82.628, 55.966

30, 82.628, 55.966

20, 82.628, 55.966

10, 82.628, 55.966

0, 82.628, 55.966

60, 82.628, 55.966

60, 82.628, 55.966

60, 82.615, 55.963

63, 76.816, 58.502

65, 68.870, 60.338

68, 59.653, 61.704

72, 50.101, 62.881

75, 40.699, 64.003

78, 31.665, 65.123

82, 23.080, 66.253

86, 14.955, 67.390

90, 7.271, 68.508

Harmonies

Complementary

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



60, 82.628, 55.966



54, 62.297, 279.409

Rectangle

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



60, 82.628, 55.966



60, 82.628, 105.966



60, 82.628, 235.966



60, 82.628, 285.966

Sweetspot

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



60, 82.615, 55.963



88, 24.588, 66.239



51, 81.121, 356.434



45, 16.980, 65.759



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, 82.615, 55.963



64, 87.720, 55.791



87, 87.022, 98.352



47, 4.105, 68.566



47, 67.434, 56.655



12, 22.272, 55.532

Inverse Universe

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



54, 62.297, 279.409



58, 66.327, 279.628



30, 123.346, 305.662



47, 3.984, 250.949



42, 50.295, 278.526



10, 18.854, 269.918

Previews

White Background



This preview shows how the CIELCh color 60, 82.628, 55.966 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, 82.628, 55.966 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, 82.628, 55.966

Background



This preview shows how black text looks on a background with the CIELCh color 60, 82.628, 55.966.



This preview shows how white text looks on a background with the CIELCh color 60, 82.628, 55.966.

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, 82.628, 55.966

Protanopia

60, 60.724, 95.302

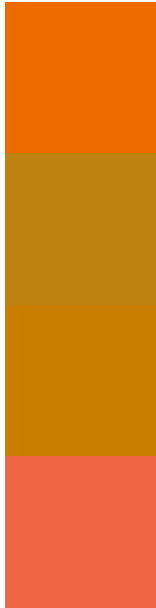
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 59.679, 24.237

Trichromacy



Original Color
60, 82.628, 55.966

Protanomaly
59, 64.083, 77.144

Deuteranomaly
59, 69.297, 71.392

Tritanomaly
60, 67.766, 41.913

Monochromacy



Original Color
60, 82.628, 55.966

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 31.078, 63.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 82.628, 55.966 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(236, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 106, 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(236, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 106, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 82.628, 55.966 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(236, 106, 0) }
```

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

```
.border{ border-color:rgb(236, 106, 0) }
```

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

Here you see how a box with a 4 pixel rgb(236, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 106,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 82.628, 55.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 106, 0) }
```

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

```
.background{ background-color: rgb(236,  
106, 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](#).

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