

Converting Colors

CIELCh(60, 78.261, 60.073)

Have a look what the booklet for
CIELCh(60, 78.261, 60.073) contains.

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Color

CIELCh(60, 78.359, 59.867)

Conversions

Conversions Part 1

Format	Color
Hex	E37100
RGB	227, 113, 0
RGB Percent	89%, 44%, 0%
CMY	0.1100, 0.5570, 1.0000
CMYK	0.00, 0.50, 1.00, 0.11
HSL	30°, 100%, 44%
HSV	30°, 100%, 89%
XYZ	37.5624, 28.1233, 3.4463
YIQ	134.2040, 104.2170, -10.9750

Conversions

Conversions Part 2

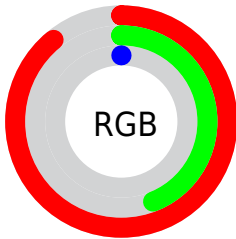
Format	Color
R_{YB}	227, 225, 0
Decimal	14905600
CIE Lab	60.00, 39.34, 67.77
CIE LCh	60, 78.359, 59.867
Yxy	28.1233, 0.5433, 0.4068
Android (android.graphics.Color)	4293095680 (0xFFE37100)
YUV	134.2040, -66.1626, 81.3821
Hunter-Lab	53.0314, 33.6274, 33.2690

Details

The CIELCh color **60, 78.359, 59.867** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **49, 66.712, 284.498**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.644, 68.048**, and **40, 64.905, 52.074** is the 20% darker color. If you saturate the color by 10%, you get **60, 78.346, 59.864**, and if you desaturate by 10%, it is **62, 73.291, 62.568**.

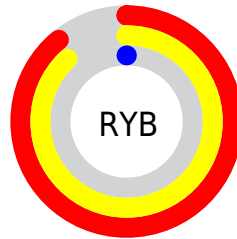
Distribution



Red (89%)

Green (44%)

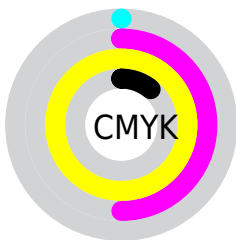
Blue (0%)



Red (89%)

Yellow (88%)

Blue (0%)

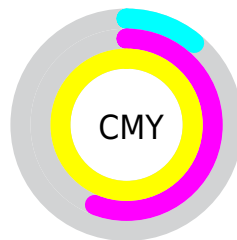


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 78.359, 59.867 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, 78.359, 59.867 by changing the saturation by 10% instead.

60, 78.359, 59.867

60, 78.359, 59.867

100, 78.359,
59.867

50, 78.359, 59.867

80, 78.359, 59.867

40, 78.359, 59.867

90, 78.359, 59.867

30, 78.359, 59.867

20, 78.359, 59.867

10, 78.359, 59.867

0, 78.359, 59.867

60, 78.359, 59.867

60, 78.359, 59.867

60, 78.346, 59.864

62, 73.291, 62.568

65, 66.165, 64.622

68, 57.682, 66.215

71, 48.728, 67.601

74, 39.795, 68.905

77, 31.114, 70.180

80, 22.783, 71.442

83, 14.827, 72.689

87, 7.239, 73.902

Harmonies

Complementary

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



60, 78.359, 59.867



49, 66.712, 284.498

Rectangle

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



60, 78.359, 59.867



60, 78.359, 109.867



60, 78.359, 239.867



60, 78.359, 289.867

Sweetspot

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



60, 78.346, 59.864



89, 25.053, 71.418



49, 77.741, 1.029



46, 17.268, 70.883



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, 78.346, 59.864



67, 85.682, 59.599



87, 87.631, 101.785



45, 4.067, 73.968



47, 64.545, 60.553



11, 19.646, 59.981

Inverse Universe

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



49, 66.712, 284.498



55, 73.330, 284.811



28, 121.838, 306.132



45, 3.977, 256.466



38, 54.239, 283.675



8, 18.901, 274.411

Previews

White Background



This preview shows how the CIELCh color 60, 78.359, 59.867 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, 78.359, 59.867 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, 78.359, 59.867

Background



This preview shows how black text looks on a background with the CIELCh color 60, 78.359, 59.867.



This preview shows how white text looks on a background with the CIELCh color 60, 78.359, 59.867.

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, 78.359, 59.867

Protanopia

60, 61.191, 95.308

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 53.022, 22.156

Trichromacy



Original Color
60, 78.359, 59.867

Protanomaly
60, 63.798, 79.848

Deuteranomaly
60, 68.445, 73.737

Tritanomaly
60, 61.549, 43.730

Monochromacy



Original Color
60, 78.359, 59.867

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 30.647, 68.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 78.359, 59.867 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(227, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 113, 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(227, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 113, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 78.359, 59.867 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(227, 113, 0) }
```

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

```
.border{ border-color:rgb(227, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 113,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 78.359, 59.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 113, 0) }
```

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

```
.background{ background-color: rgb(227,  
113, 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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