

Converting Colors

CIELCh(60, 78.134, 59.639)

Have a look what the booklet for
CIELCh(60, 78.134, 59.639) contains.

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Color

CIELCh(60, 78.071, 59.728)

Conversions

Conversions Part 1

Format	Color
Hex	E37102
RGB	227, 113, 2
RGB Percent	89%, 44%, 1%
CMY	0.1101, 0.5570, 0.9925
CMYK	0.00, 0.50, 0.99, 0.11
HSL	30°, 98%, 45%
HSV	30°, 99%, 89%
XYZ	37.5683, 28.1233, 3.5029
YIQ	134.4320, 103.5750, -10.3530

Conversions

Conversions Part 2

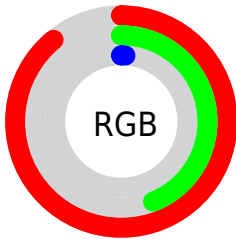
Format	Color
R_{YB}	227, 221, 2
Decimal	14905602
CIE Lab	60.00, 39.36, 67.43
CIE LCh	60, 78.071, 59.728
Yxy	28.1233, 0.5429, 0.4064
Android (android.graphics.Color)	4293095682 (0xFFE37102)
YUV	134.4320, -65.2890, 81.1821
Hunter-Lab	53.0314, 33.6472, 33.2057

Details

The CIELCh color **60, 78.071, 59.728** 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 **50, 65.565, 283.707**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 66.273, 67.878**, and **40, 64.905, 52.074** is the 20% darker color. If you saturate the color by 10%, you get **60, 78.490, 59.514**, and if you desaturate by 10%, it is **62, 72.852, 62.403**.

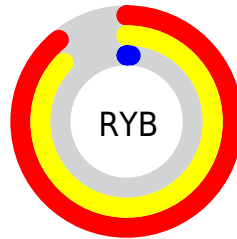
Distribution



Red (89%)

Green (44%)

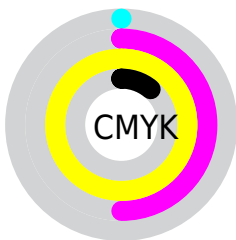
Blue (1%)



Red (89%)

Yellow (87%)

Blue (1%)

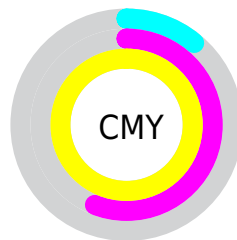


Cyan (0%)

Magenta (50%)

Yellow (99%)

Black (11%)



Cyan (11%)

Magenta (56%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 78.071, 59.728 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, 78.071, 59.728 by changing the saturation by 10% instead.

60, 78.071, 59.728

60, 78.071, 59.728

100, 78.071,
59.728

50, 78.071, 59.728

80, 78.071, 59.728

40, 78.071, 59.728

90, 78.071, 59.728

30, 78.071, 59.728

20, 78.071, 59.728

10, 78.071, 59.728

0, 78.071, 59.728

60, 78.071, 59.728

60, 78.071, 59.728

60, 78.490, 59.514

62, 72.852, 62.403

65, 65.515, 64.387

68, 56.927, 65.938

71, 47.936, 67.299

74, 39.005, 68.586

77, 30.349, 69.848

80, 22.054, 71.099

84, 14.141, 72.337

87, 6.598, 73.538

Harmonies

Complementary

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



60, 78.071, 59.728



50, 65.565, 283.707

Rectangle

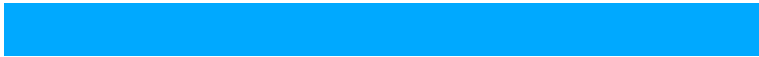
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 78.071, 59.728



60, 78.071, 109.728



60, 78.071, 239.728



60, 78.071, 289.728

Sweetspot

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



60, 78.069, 59.730



89, 25.004, 70.970



49, 77.653, 0.697



46, 17.237, 70.440



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, 78.069, 59.730



67, 85.846, 59.249



87, 87.478, 101.805



45, 4.056, 73.505



47, 64.659, 60.204



11, 19.646, 59.498

Inverse Universe

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



50, 65.565, 283.707



55, 72.694, 284.389



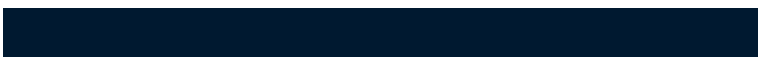
29, 121.455, 306.074



45, 3.964, 255.995



38, 53.775, 283.246



8, 18.764, 273.939

Previews

White Background



This preview shows how the CIELCh color 60, 78.071, 59.728 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, 78.071, 59.728 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, 78.071, 59.728

Background



This preview shows how black text looks on a background with the CIELCh color 60, 78.071, 59.728.



This preview shows how white text looks on a background with the CIELCh color 60, 78.071, 59.728.

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, 78.071, 59.728

Protanopia

60, 61.191, 95.308

Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 53.022, 22.156

Trichromacy



Original Color
60, 78.071, 59.728

Protanomaly
60, 63.798, 79.848

Deuteranomaly
60, 68.290, 73.689

Tritanomaly
60, 61.232, 43.348

Monochromacy



Original Color
60, 78.071, 59.728

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 30.187, 68.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 78.071, 59.728 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(227, 113, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 60, 78.071, 59.728 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, 2) }
```

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

```
.border{ border-color:rgb(227, 113, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 113, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 113, 2);  
box-shadow:4px 4px 4px 4px rgb(227, 113,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 78.071, 59.728 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, 2) }
```

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

```
.background{ background-color: rgb(227,  
113, 2) }
```

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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