

Converting Colors

CIELCh(78, 59.603, 86.529)

Have a look what the booklet for
CIELCh(78, 59.603, 86.529) contains.

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Color

CIELCh(78, 59.550, 86.707)

Conversions

Conversions Part 1

Format	Color
Hex	E6BC4E
RGB	230, 188, 78
RGB Percent	90%, 74%, 31%
CMY	0.0989, 0.2635, 0.6949
CMYK	0.00, 0.18, 0.66, 0.10
HSL	43°, 75%, 60%
HSV	43°, 66%, 90%
XYZ	51.8682, 53.2120, 14.7073
YIQ	188.0180, 60.3420, -25.3060

Conversions

Conversions Part 2

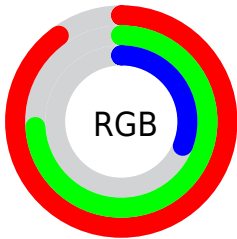
Format	Color
RYB	136, 230, 78
Decimal	15121486
CIELab	78.00, 3.42, 59.45
CIELCh	78, 59.550, 86.707
Yxy	53.2120, 0.4330, 0.4442
Android (android.graphics.Color)	4293311566 (0xFFE6BC4E)
YUV	188.0180, -54.2389, 36.8182
Hunter-Lab	72.9466, -0.7351, 39.1087

Details

The CIELCh color **78, 59.550, 86.707** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **53, 63.642, 288.877**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 55.906, 101.176**, and **58, 59.504, 86.566** is the 20% darker color. If you saturate the color by 10%, you get **76, 67.074, 85.183**, and if you desaturate by 10%, it is **80, 51.027, 88.145**.

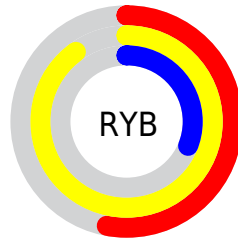
Distribution



Red (90%)

Green (74%)

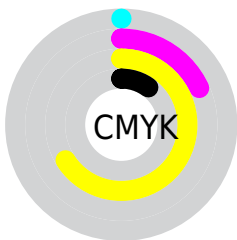
Blue (31%)



Red (53%)

Yellow (90%)

Blue (31%)

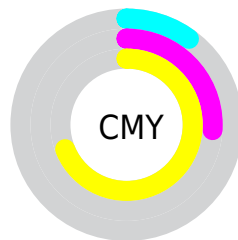


Cyan (0%)

Magenta (18%)

Yellow (66%)

Black (10%)



Cyan (10%)

Magenta (26%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 59.550, 86.707 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 78, 59.550, 86.707 by changing the saturation by 10% instead.

 78, 59.550, 86.707

 78, 59.550, 86.707

 100, 59.550,
86.707

 68, 59.550, 86.707

 98, 59.550, 86.707

 58, 59.550, 86.707

 48, 59.550, 86.707

 38, 59.550, 86.707

 28, 59.550, 86.707

 18, 59.550, 86.707

 8, 59.550, 86.707

 0, 59.550, 86.707

 78, 59.550, 86.707

 78, 59.550, 86.707

76, 67.074, 85.183

80, 51.027, 88.145

75, 72.843, 83.481

82, 42.016, 89.528

73, 76.065, 81.475

84, 32.822, 90.871

72, 76.860, 80.645

86, 23.614, 92.179

88, 14.478, 93.447

90, 5.460, 94.653

92, 3.423, 275.947

94, 8.917, 271.232

96, 7.226, 245.056

Harmonies

Complementary

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



78, 59.550, 86.707



53, 63.642, 288.877

Rectangle

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



78, 59.550, 86.707



78, 59.550, 136.707



78, 59.550, 266.707



78, 59.550, 316.707

Sweetspot

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



78, 59.550, 86.710



95, 19.581, 92.948



56, 62.348, 8.144



50, 13.385, 92.589



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 59.550, 86.710



83, 74.895, 84.644



86, 74.288, 114.719



47, 5.062, 94.264



57, 63.697, 81.068



16, 22.966, 84.043

Inverse Universe

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



53, 63.642, 288.877



51, 84.315, 293.206



45, 88.800, 305.183



45, 5.090, 276.654



28, 81.292, 299.400



5, 27.136, 290.118

Previews

White Background



This preview shows how the CIELCh color 78, 59.550, 86.707 looks on a white background.

Color Contrast Check

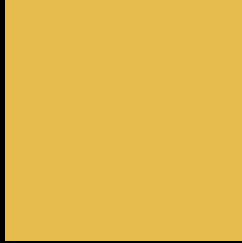
Large Text (above 18pt) WCAG AA × Fail

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 78, 59.550, 86.707 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 78, 59.550, 86.707

Background



This preview shows how black text looks on a background with the CIELCh color 78, 59.550, 86.707.



This preview shows how white text looks on a background with the CIELCh color 78, 59.550, 86.707.

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

78, 59.550, 86.707

Protanopia

78, 58.739, 95.327

Deuteranopia

78, 60.136, 80.639



Tritanopia
78, 24.677, 4.134

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 59.550, 86.707 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(230, 188, 78)` looks like.

```
.text, #text, p{  
    color:rgb(230, 188, 78)  
}
```

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(230, 188, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 188, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 59.550, 86.707 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(230, 188, 78) }
```

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

```
.border{ border-color:rgb(230, 188, 78) }
```

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

Here you see how a box with a 4 pixel rgb(230, 188, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 188, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 188, 78);  
box-shadow:4px 4px 4px 4px rgb(230, 188,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 59.550, 86.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 188, 78) }
```

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

```
.background{ background-color: rgb(230,  
188, 78) }
```

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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