

Converting Colors

CIELCh(78, 64.924, 87.910)

Have a look what the booklet for
CIELCh(78, 64.924, 87.910) contains.

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Color

CIELCh(78, 64.763, 87.574)

Conversions

Conversions Part 1

Format	Color
Hex	E6BC41
RGB	230, 188, 65
RGB Percent	90%, 74%, 25%
CMY	0.0978, 0.2625, 0.7448
CMYK	0.00, 0.18, 0.72, 0.10
HSL	45°, 77%, 58%
HSV	45°, 72%, 90%
XYZ	51.6100, 53.2120, 12.5622
YIQ	186.5360, 64.5150, -29.3490

Conversions

Conversions Part 2

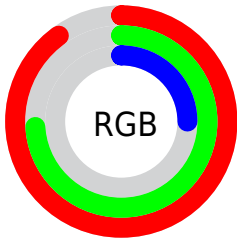
Format	Color
RYB	121, 230, 65
Decimal	15121473
CIELab	78.00, 2.74, 64.70
CIElCh	78, 64.763, 87.574
Yxy	53.2120, 0.4397, 0.4533
Android (android.graphics.Color)	4293311553 (0xFFE6BC41)
YUV	186.5360, -59.9172, 38.1179
Hunter-Lab	72.9466, -1.3671, 40.8522

Details

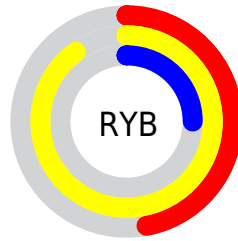
The CIELCh color **78, 64.763, 87.574** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **49, 71.864, 291.893**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 61.356, 101.116**, and **58, 62.936, 87.469** is the 20% darker color. If you saturate the color by 10%, you get **76, 71.327, 86.041**, and if you desaturate by 10%, it is **80, 56.738, 89.006**.

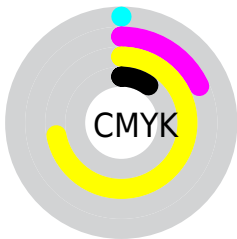
Distribution



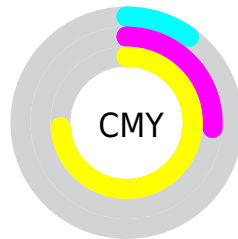
- Red (90%)
- Green (74%)
- Blue (25%)



- Red (47%)
- Yellow (90%)
- Blue (25%)



- Cyan (0%)
- Magenta (18%)
- Yellow (72%)
- Black (10%)



- Cyan (10%)
- Magenta (26%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 64.763, 87.574 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, 64.763, 87.574 by changing the saturation by 10% instead.

 78, 64.763, 87.574

 78, 64.763, 87.574

 100, 64.763,
87.574

 68, 64.763, 87.574

 98, 64.763, 87.574

 58, 64.763, 87.574

 48, 64.763, 87.574

 38, 64.763, 87.574

 28, 64.763, 87.574

 18, 64.763, 87.574

 8, 64.763, 87.574

 0, 64.763, 87.574

 78, 64.763, 87.574

 78, 64.763, 87.574

76, 71.327, 86.041

80, 56.738, 89.006

75, 75.620, 84.303

81, 47.908, 90.377

74, 77.370, 82.670

83, 38.694, 91.712

85, 29.345, 93.015

87, 19.996, 94.284

89, 10.719, 95.511

91, 1.551, 96.590

93, 7.493, 277.902

95, 8.103, 264.013

Harmonies

Complementary

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



78, 64.763, 87.574



49, 71.864, 291.893

Rectangle

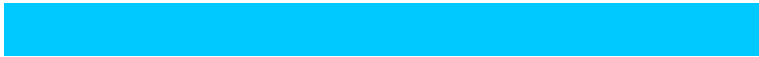
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 64.763, 87.574



78, 64.763, 137.574



78, 64.763, 267.574



78, 64.763, 317.574

Sweetspot

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



78, 64.763, 87.577



95, 22.024, 94.233



54, 66.824, 11.348



50, 14.820, 93.891



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, 64.763, 87.577



83, 79.667, 85.245



86, 79.279, 115.395



47, 5.177, 95.780



58, 64.070, 83.057



16, 23.351, 86.001

Inverse Universe

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



49, 71.864, 291.893



46, 95.550, 296.699



42, 96.276, 306.149



45, 5.215, 278.131



27, 83.701, 300.342



5, 27.717, 290.857

Previews

White Background



This preview shows how the CIELCh color 78, 64.763, 87.574 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, 64.763, 87.574 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, 64.763, 87.574

Background



This preview shows how black text looks on a background with the CIELCh color 78, 64.763, 87.574.



This preview shows how white text looks on a background with the CIELCh color 78, 64.763, 87.574.

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, 64.763, 87.574

Protanopia

78, 63.732, 95.149

Deuteranopia

78, 64.959, 81.039



Tritanopia
78, 24.943, 5.629

Trichromacy



Original Color
78, 64.763, 87.574

Protanomaly
78, 64.000, 92.334

Deuteranomaly
78, 64.915, 83.515

Tritanomaly
78, 30.566, 59.080

Monochromacy



Original Color
78, 64.763, 87.574

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 24.403, 92.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 64.763, 87.574 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(230, 188, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 188, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 64.763, 87.574 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, 65) }
```

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

```
.border{ border-color:rgb(230, 188, 65) }
```

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, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 188, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 188, 65);  
box-shadow:4px 4px 4px 4px rgb(230, 188,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 64.763, 87.574 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, 65) }
```

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

```
.background{ background-color: rgb(230,  
188, 65) }
```

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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