

Converting Colors

CIELCh(77, 58.181, 90.153)

Have a look what the booklet for
CIELCh(77, 58.181, 90.153) contains.

CIELCh(77, 57.999, 89.864)	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(77, 57.999, 89.864)

Conversions

Conversions Part 1

Format	Color
Hex	DDBB4E
RGB	221, 187, 78
RGB Percent	87%, 73%, 31%
CMY	0.1329, 0.2662, 0.6937
CMYK	0.00, 0.15, 0.65, 0.13
HSL	46°, 68%, 59%
HSV	46°, 65%, 87%
XYZ	49.0299, 51.5317, 14.5909
YIQ	184.7400, 55.2530, -26.6910

Conversions

Conversions Part 2

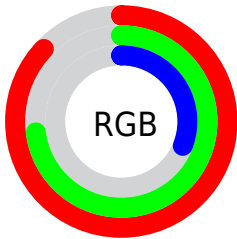
Format	Color
RYB	123, 221, 78
Decimal	14531406
CIELab	77.00, 0.14, 58.00
CIELCh	77, 57.999, 89.864
Yxy	51.5317, 0.4258, 0.4475
Android (android.graphics.Color)	4292721486 (0xFFDDBB4E)
YUV	184.7400, -52.6228, 31.8000
Hunter-Lab	71.7856, -3.7086, 38.1988

Details

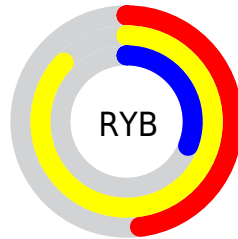
The CIELCh color **77, 57.999, 89.864** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **50, 63.533, 290.635**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 55.974, 100.740**, and **57, 57.778, 89.988** is the 20% darker color. If you saturate the color by 10%, you get **75, 65.421, 88.465**, and if you desaturate by 10%, it is **79, 49.599, 91.214**.

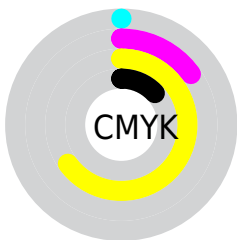
Distribution



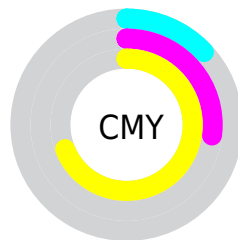
- Red (87%)
- Green (73%)
- Blue (31%)



- Red (48%)
- Yellow (87%)
- Blue (31%)



- Cyan (0%)
- Magenta (15%)
- Yellow (65%)
- Black (13%)



- Cyan (13%)
- Magenta (27%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 57.999, 89.864 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 77, 57.999, 89.864 by changing the saturation by 10% instead.

 77, 57.999, 89.864

 77, 57.999, 89.864

 100, 57.999,
89.864

 67, 57.999, 89.864

 97, 57.999, 89.864

 57, 57.999, 89.864

 47, 57.999, 89.864

 37, 57.999, 89.864

 27, 57.999, 89.864

 17, 57.999, 89.864

 7, 57.999, 89.864

 0, 57.999, 89.864

 77, 57.999, 89.864

 77, 57.999, 89.864

75, 65.421, 88.465

79, 49.599, 91.214

74, 71.175, 86.958

80, 40.693, 92.528

73, 74.520, 85.254

82, 31.570, 93.815

72, 75.510, 84.272

84, 22.392, 95.073

85, 13.250, 96.294

87, 4.190, 97.452

89, 4.765, 278.684

91, 13.601,
279.751

92, 11.436,
267.925

Harmonies

Complementary

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



77, 57.999, 89.864



50, 63.533, 290.635

Rectangle

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



77, 57.999, 89.864



77, 57.999, 139.864



77, 57.999, 269.864



77, 57.999, 319.864

Sweetspot

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



77, 57.999, 89.867



96, 19.306, 95.753



54, 59.277, 10.267



51, 13.306, 95.399



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 57.999, 89.867



85, 75.659, 87.887



83, 71.187, 116.279



45, 5.075, 96.915



58, 63.063, 84.623



14, 21.032, 87.825

Inverse Universe

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



50, 63.533, 290.635



49, 87.879, 294.937



45, 84.002, 305.762



43, 5.119, 279.222



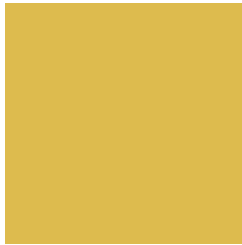
26, 83.524, 300.955



4, 24.798, 289.042

Previews

White Background



This preview shows how the CIELCh color 77, 57.999, 89.864 looks on a white background.

Color Contrast Check

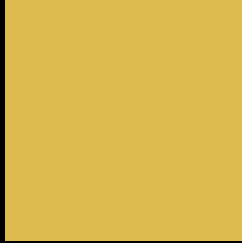
Large Text (above 18pt) WCAG AA × Fail

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 77, 57.999, 89.864 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 77, 57.999, 89.864

Background



This preview shows how black text looks on a background with the CIELCh color 77, 57.999, 89.864.



This preview shows how white text looks on a background with the CIELCh color 77, 57.999, 89.864.

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

77, 57.999, 89.864

Protanopia

77, 57.834, 95.643

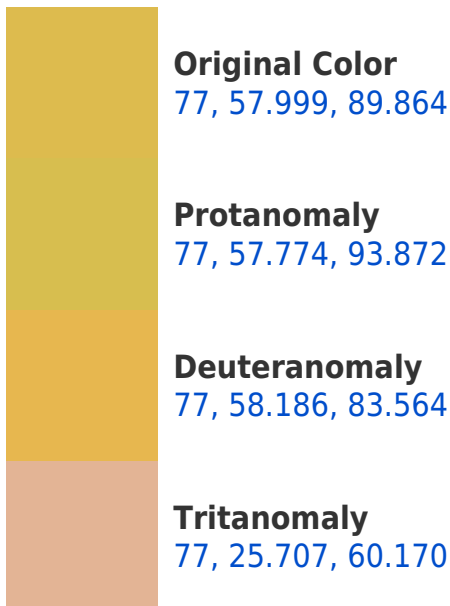
Deuteranopia

77, 58.367, 80.398



Tritanopia
77, 21.613, 2.682

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 57.999, 89.864 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(221, 187, 78)` looks like.

```
.text, #text, p{  
    color:rgb(221, 187, 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(221, 187, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 187, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 57.999, 89.864 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(221, 187, 78) }
```

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

```
.border{ border-color:rgb(221, 187, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 187, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 187, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 187, 78);  
box-shadow:4px 4px 4px 4px rgb(221, 187,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 57.999, 89.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 187, 78) }
```

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

```
.background{ background-color: rgb(221,  
187, 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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