

Converting Colors

CIELCh(77, 63.319, 88.000)

Have a look what the booklet for
CIELCh(77, 63.319, 88.000) contains.

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Color

CIELCh(77, 63.333, 88.073)

Conversions

Conversions Part 1

Format	Color
Hex	E2BA42
RGB	226, 186, 66
RGB Percent	89%, 73%, 26%
CMY	0.1148, 0.2715, 0.7421
CMYK	0.00, 0.18, 0.71, 0.11
HSL	45°, 73%, 57%
HSV	45°, 71%, 89%
XYZ	49.7642, 51.5317, 12.4401
YIQ	184.2800, 62.3600, -28.8400

Conversions

Conversions Part 2

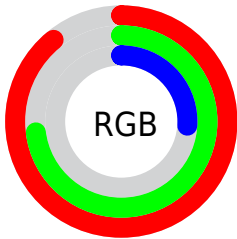
Format	Color
RYB	119, 226, 66
Decimal	14858818
CIELab	77.00, 2.13, 63.30
CIELCh	77, 63.333, 88.073
Yxy	51.5317, 0.4375, 0.4531
Android (android.graphics.Color)	4293048898 (0xFFE2BA42)
YUV	184.2800, -58.3120, 36.5884
Hunter-Lab	71.7856, -1.8827, 39.9752

Details

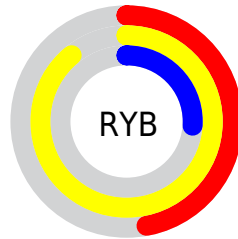
The CIELCh color **77, 63.333, 88.073** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **48, 70.297, 291.864**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 60.592, 100.312**, and **57, 62.184, 87.692** is the 20% darker color. If you saturate the color by 10%, you get **75, 69.946, 86.571**, and if you desaturate by 10%, it is **79, 55.338, 89.485**.

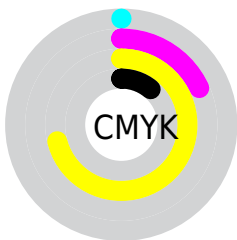
Distribution



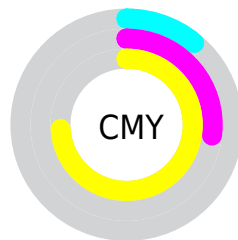
- Red (89%)
- Green (73%)
- Blue (26%)



- Red (47%)
- Yellow (89%)
- Blue (26%)



- Cyan (0%)
- Magenta (18%)
- Yellow (71%)
- Black (11%)



- Cyan (11%)
- Magenta (27%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 63.333, 88.073 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, 63.333, 88.073 by changing the saturation by 10% instead.

■ 77, 63.333, 88.073

■ 77, 63.333, 88.073

■ 100, 63.333,
88.073

■ 67, 63.333, 88.073

■ 97, 63.333, 88.073

■ 57, 63.333, 88.073

■ 47, 63.333, 88.073

■ 37, 63.333, 88.073

■ 27, 63.333, 88.073

■ 17, 63.333, 88.073

■ 7, 63.333, 88.073

■ 0, 63.333, 88.073

■ 77, 63.333, 88.073

■ 77, 63.333, 88.073

75, 69.946, 86.571

79, 55.338, 89.485

74, 74.390, 84.885

80, 46.585, 90.843

73, 76.382, 83.133

82, 37.473, 92.166

84, 28.235, 93.459

86, 18.998, 94.719

88, 9.833, 95.936

90, 0.772, 96.877

92, 8.170, 278.306

93, 10.134,
269.792

Harmonies

Complementary

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



77, 63.333, 88.073



48, 70.297, 291.864

Rectangle

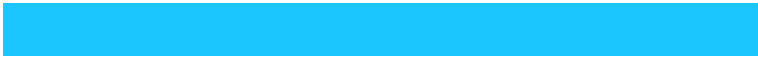
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 63.333, 88.073



77, 63.333, 138.073



77, 63.333, 268.073



77, 63.333, 318.073

Sweetspot

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



77, 63.333, 88.076



95, 21.108, 94.685



53, 65.280, 12.355



50, 14.307, 94.338



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, 63.333, 88.076



83, 79.339, 85.807



85, 77.666, 116.172



46, 5.107, 96.104



58, 63.488, 83.509



15, 22.140, 86.572

Inverse Universe

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



48, 70.297, 291.864



46, 94.972, 296.605



42, 93.606, 306.401



44, 5.146, 278.440



27, 83.236, 300.504



4, 26.196, 289.823

Previews

White Background



This preview shows how the CIELCh color 77, 63.333, 88.073 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, 63.333, 88.073 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, 63.333, 88.073

Background



This preview shows how black text looks on a background with the CIELCh color 77, 63.333, 88.073.



This preview shows how white text looks on a background with the CIELCh color 77, 63.333, 88.073.

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, 63.333, 88.073

Protanopia

77, 62.870, 95.445

Deuteranopia

77, 64.032, 81.106



Tritanopia
77, 24.248, 5.064

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 63.333, 88.073 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(226, 186, 66)` looks like.

```
.text, #text, p{  
    color:rgb(226, 186, 66)  
}
```

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(226, 186, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 186, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 63.333, 88.073 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(226, 186, 66) }
```

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

```
.border{ border-color:rgb(226, 186, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 186, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 186, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 186, 66);  
box-shadow:4px 4px 4px 4px rgb(226, 186,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 63.333, 88.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 186, 66) }
```

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

```
.background{ background-color: rgb(226,  
186, 66) }
```

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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