

Converting Colors

CIELCh(76, 68.285, 81.817)

Have a look what the booklet for
CIELCh(76, 68.285, 81.817) contains.

CIELCh(76, 68.057, 81.876)	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(76, 68.057, 81.876)

Conversions

Conversions Part 1

Format	Color
Hex	EBB235
RGB	235, 178, 53
RGB Percent	92%, 70%, 21%
CMY	0.0775, 0.3011, 0.7912
CMYK	0.00, 0.24, 0.77, 0.08
HSL	41°, 82%, 57%
HSV	41°, 77%, 92%
XYZ	50.9506, 49.8872, 10.3400
YIQ	180.7930, 74.0970, -26.7910

Conversions

Conversions Part 2

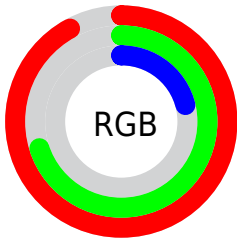
Format	Color
RYB	136, 235, 53
Decimal	15446581
CIELab	76.00, 9.62, 67.37
CIELCh	76, 68.057, 81.876
Yxy	49.8872, 0.4583, 0.4487
Android (android.graphics.Color)	4293636661 (0xFFEBB235)
YUV	180.7930, -63.0019, 47.5395
Hunter-Lab	70.6309, 5.1595, 40.7619

Details

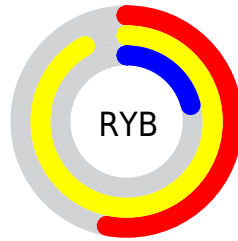
The CIELCh color **76, 68.057, 81.876** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **49, 72.925, 290.304**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 62.215, 96.657**, and **56, 62.516, 81.146** is the 20% darker color. If you saturate the color by 10%, you get **74, 73.885, 79.999**, and if you desaturate by 10%, it is **78, 60.429, 83.517**.

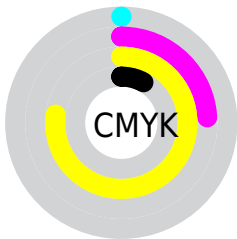
Distribution



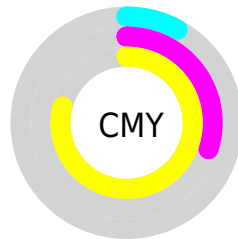
- Red (92%)
- Green (70%)
- Blue (21%)



- Red (53%)
- Yellow (92%)
- Blue (21%)



- Cyan (0%)
- Magenta (24%)
- Yellow (77%)
- Black (8%)



- Cyan (8%)
- Magenta (30%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 68.057, 81.876 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 76, 68.057, 81.876 by changing the saturation by 10% instead.

76, 68.057, 81.876

76, 68.057, 81.876

100, 68.057,
81.876

66, 68.057, 81.876

96, 68.057, 81.876

56, 68.057, 81.876

46, 68.057, 81.876

36, 68.057, 81.876

26, 68.057, 81.876

16, 68.057, 81.876

6, 68.057, 81.876

0, 68.057, 81.876

76, 68.057, 81.876

76, 68.057, 81.876

74, 73.885, 79.999

78, 60.429, 83.517

72, 77.118, 77.712

80, 51.813, 85.025

72, 77.745, 77.079

82, 42.750, 86.461

84, 33.550, 87.850

87, 24.384, 89.198

89, 15.334, 90.503

91, 6.438, 91.748

94, 2.290, 273.123

96, 6.184, 259.574

Harmonies

Complementary

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



76, 68.057, 81.876



49, 72.925, 290.304

Rectangle

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



76, 68.057, 81.876



76, 68.057, 131.876



76, 68.057, 261.876



76, 68.057, 311.876

Sweetspot

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



76, 68.056, 81.879



94, 21.794, 89.760



53, 71.729, 9.418



49, 15.133, 89.283



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 68.056, 81.879



79, 80.953, 78.674



88, 84.147, 112.979



48, 4.964, 91.495



56, 63.939, 77.575



16, 23.629, 80.453

Inverse Universe

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



49, 72.925, 290.304



46, 95.331, 296.009



39, 105.687, 305.842



46, 4.973, 273.954



30, 77.912, 297.628



6, 27.529, 289.891

Previews

White Background



This preview shows how the CIELCh color 76, 68.057, 81.876 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 CIE LCh color 76, 68.057, 81.876 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 76, 68.057, 81.876

Background



This preview shows how black text looks on a background with the CIELCh color 76, 68.057, 81.876.



This preview shows how white text looks on a background with the CIELCh color 76, 68.057, 81.876.

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

76, 68.057, 81.876

Protanopia

76, 65.847, 95.435

Deuteranopia

76, 68.057, 81.876



Tritanopia
76, 30.538, 9.241

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 68.057, 81.876 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(235, 178, 53)` looks like.

```
.text, #text, p{  
    color:rgb(235, 178, 53)  
}
```

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(235, 178, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 178, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 68.057, 81.876 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(235, 178, 53) }
```

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

```
.border{ border-color:rgb(235, 178, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 178, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 178, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 178, 53);  
box-shadow:4px 4px 4px 4px rgb(235, 178,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 68.057, 81.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 178, 53) }
```

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

```
.background{ background-color: rgb(235,  
178, 53) }
```

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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