

Converting Colors

CIELCh(76, 66.721, 80.751)

Have a look what the booklet for
CIELCh(76, 66.721, 80.751) contains.

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Color

CIELCh(76, 66.714, 80.803)

Conversions

Conversions Part 1

Format	Color
Hex	EDB23A
RGB	237, 178, 58
RGB Percent	93%, 70%, 23%
CMY	0.0725, 0.3036, 0.7743
CMYK	0.00, 0.25, 0.76, 0.07
HSL	40°, 83%, 58%
HSV	40°, 76%, 93%
XYZ	51.3450, 49.8872, 10.8646
YIQ	181.9610, 73.6840, -24.8120

Conversions

Conversions Part 2

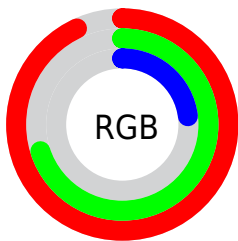
Format	Color
RYB	146, 237, 58
Decimal	15577658
CIELab	76.00, 10.66, 65.86
CIELCh	76, 66.714, 80.803
Yxy	49.8872, 0.4580, 0.4450
Android (android.graphics.Color)	4293767738 (0xFFEDB23A)
YUV	181.9610, -61.1128, 48.2692
Hunter-Lab	70.6309, 6.1562, 40.3215

Details

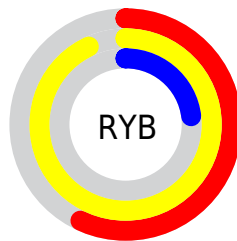
The CIELCh color **76, 66.714, 80.803** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **51, 69.729, 288.671**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.450, 96.575**, and **56, 62.926, 80.362** is the 20% darker color. If you saturate the color by 10%, you get **74, 73.053, 78.929**, and if you desaturate by 10%, it is **78, 58.770, 82.445**.

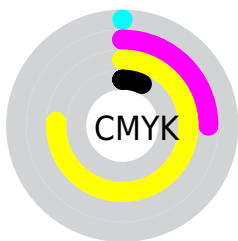
Distribution



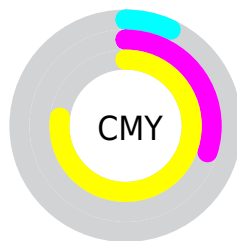
- Red (93%)
- Green (70%)
- Blue (23%)



- Red (57%)
- Yellow (93%)
- Blue (23%)



- Cyan (0%)
- Magenta (25%)
- Yellow (76%)
- Black (7%)



- Cyan (7%)
- Magenta (30%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 66.714, 80.803 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, 66.714, 80.803 by changing the saturation by 10% instead.

 76, 66.714, 80.803

 76, 66.714, 80.803

 100, 66.714,
80.803

 66, 66.714, 80.803

 96, 66.714, 80.803

 56, 66.714, 80.803

 46, 66.714, 80.803

 36, 66.714, 80.803

 26, 66.714, 80.803

 16, 66.714, 80.803

 6, 66.714, 80.803

 0, 66.714, 80.803

 76, 66.714, 80.803

 76, 66.714, 80.803

74, 73.053, 78.929

78, 58.770, 82.445

72, 76.885, 76.632

80, 49.997, 83.958

71, 77.959, 75.536

83, 40.885, 85.400

85, 31.708, 86.794

87, 22.610, 88.146

90, 13.659, 89.454

92, 4.884, 90.690

95, 3.709, 272.043

97, 5.311, 244.381

Harmonies

Complementary

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



76, 66.714, 80.803



51, 69.729, 288.671

Rectangle

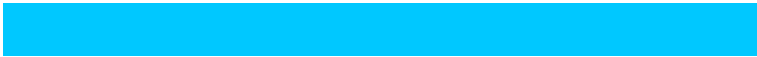
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 66.714, 80.803



76, 66.714, 130.803



76, 66.714, 260.803



76, 66.714, 310.803

Sweetspot

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



76, 66.713, 80.806



94, 21.478, 88.488



54, 70.930, 7.401



49, 14.920, 88.006



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, 66.713, 80.806



78, 80.026, 77.685



89, 83.110, 112.161



48, 4.885, 90.236



56, 63.840, 76.068



16, 23.399, 78.896

Inverse Universe

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



51, 69.729, 288.671



47, 90.784, 294.373



40, 104.158, 305.381



46, 4.886, 272.719



31, 76.006, 296.770



6, 26.993, 289.170

Previews

White Background



This preview shows how the CIELCh color 76, 66.714, 80.803 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 76, 66.714, 80.803 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, 66.714, 80.803

Background



This preview shows how black text looks on a background with the CIELCh color 76, 66.714, 80.803.



This preview shows how white text looks on a background with the CIELCh color 76, 66.714, 80.803.

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, 66.714, 80.803

Protanopia

76, 64.390, 95.393

Deuteranopia

76, 66.669, 81.572



Tritanopia
76, 30.922, 9.450

Trichromacy



Original Color
76, 66.714, 80.803

Protanomaly
76, 64.688, 89.753

Deuteranomaly
76, 66.867, 81.228

Tritanomaly
76, 35.959, 52.289

Monochromacy



Original Color
76, 66.714, 80.803

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 24.893, 86.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 66.714, 80.803 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(237, 178, 58)` looks like.

```
.text, #text, p{  
    color:rgb(237, 178, 58)  
}
```

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(237, 178, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 178, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 66.714, 80.803 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(237, 178, 58) }
```

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

```
.border{ border-color:rgb(237, 178, 58) }
```

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

Here you see how a box with a 4 pixel rgb(237, 178, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 178, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 178, 58);  
box-shadow:4px 4px 4px 4px rgb(237, 178,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 66.714, 80.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 178, 58) }
```

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

```
.background{ background-color: rgb(237,  
178, 58) }
```

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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