

Converting Colors

CIELCh(78, 80.052, 98.178)

Have a look what the booklet for
CIELCh(78, 80.052, 98.178) contains.

CIELCh(78, 79.782, 98.066)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 79.782, 98.066)

Conversions

Conversions Part 1

Format	Color
Hex	D3C400
RGB	211, 196, 0
RGB Percent	83%, 77%, 0%
CMY	0.1734, 0.2321, 1.0000
CMYK	0.00, 0.07, 1.00, 0.17
HSL	56°, 100%, 41%
HSV	56°, 100%, 83%
XYZ	46.4990, 53.2120, 7.8037
YIQ	178.1410, 71.8560, -57.7760

Conversions

Conversions Part 2

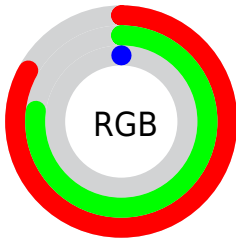
Format	Color
RYB	16, 211, 0
Decimal	13878272
CIELab	78.00, -11.19, 78.99
CIELCh	78, 79.782, 98.066
Yxy	53.2120, 0.4325, 0.4949
Android (android.graphics.Color)	4292068352 (0xFFD3C400)
YUV	178.1410, -87.8235, 28.8173
Hunter-Lab	72.9466, -13.8735, 44.7198

Details

The CIELCh color **78, 79.782, 98.066** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **27, 112.775, 305.529**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.334, 103.174**, and **58, 63.136, 99.011** is the 20% darker color. If you saturate the color by 10%, you get **78, 79.726, 98.070**, and if you desaturate by 10%, it is **78, 77.721, 98.662**.

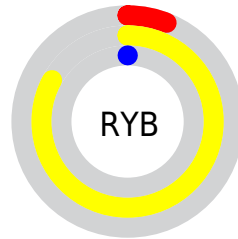
Distribution



Red (83%)

Green (77%)

Blue (0%)



Red (6%)

Yellow (83%)

Blue (0%)

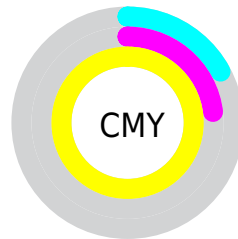


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (23%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 79.782, 98.066 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, 79.782, 98.066 by changing the saturation by 10% instead.

 78, 79.782, 98.066

 78, 79.782, 98.066

 100, 79.782,
98.066

 68, 79.782, 98.066

 98, 79.782, 98.066

 58, 79.782, 98.066

 48, 79.782, 98.066

 38, 79.782, 98.066

 28, 79.782, 98.066

 18, 79.782, 98.066

 8, 79.782, 98.066

 0, 79.782, 98.066

 78, 79.782, 98.066

 78, 79.782, 98.066

■ 78, 79.726, 98.070

■ 78, 77.721, 98.662

■ 79, 73.569, 99.351

■ 79, 67.255,
100.151

■ 80, 59.341,
101.048

■ 81, 50.371,
102.017

■ 81, 40.755,
103.031

■ 82, 30.766,
104.068

■ 83, 20.577,
105.111

■ 84, 10.297,
106.142

Harmonies

Complementary

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



78, 79.782, 98.066



27, 112.775, 305.529

Rectangle

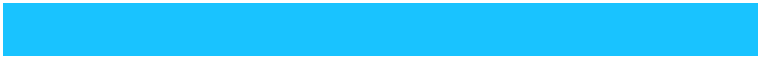
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 79.782, 98.066



78, 79.782, 148.066



78, 79.782, 278.066



78, 79.782, 328.066

Sweetspot

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



78, 79.726, 98.070



97, 35.900, 104.034



44, 87.120, 37.019



51, 24.435, 103.590



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, 79.726, 98.070



92, 91.989, 98.014



76, 92.049, 125.161



44, 5.804, 106.202



64, 67.475, 98.149



15, 21.781, 100.916

Inverse Universe

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



27, 112.775, 305.529



33, 130.786, 305.656



31, 110.131, 310.076



40, 5.915, 288.192



20, 94.684, 305.327



2, 24.290, 291.526

Previews

White Background



This preview shows how the CIELCh color 78, 79.782, 98.066 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, 79.782, 98.066 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, 79.782, 98.066

Background



This preview shows how black text looks on a background with the CIELCh color 78, 79.782, 98.066.



This preview shows how white text looks on a background with the CIELCh color 78, 79.782, 98.066.

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, 79.782, 98.066

Protanopia

78, 79.435, 94.782

Deuteranopia

78, 77.454, 82.472



Tritanopia
78, 17.054, 354.960

Trichromacy



Original Color
78, 79.782, 98.066

Protanomaly
78, 79.477, 96.096

Deuteranomaly
78, 77.989, 88.372

Tritanomaly
77, 35.741, 84.894

Monochromacy



Original Color
78, 79.782, 98.066

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 37.702, 102.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 79.782, 98.066 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(211, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 196, 0)  
}
```

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(211, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 196, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 79.782, 98.066 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(211, 196, 0) }
```

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

```
.border{ border-color:rgb(211, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 196,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 79.782, 98.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 196, 0) }
```

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

```
.background{ background-color: rgb(211,  
196, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor