

Converting Colors

CIELCh(80, 81.995, 103.760)

Have a look what the booklet for
CIELCh(80, 81.995, 103.760)
contains.

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Color

CIELCh(80, 82.062, 103.805)

Conversions

Conversions Part 1

Format	Color
Hex	CBCE04
RGB	203, 206, 4
RGB Percent	80%, 81%, 2%
CMY	0.2050, 0.1932, 0.9837
CMYK	0.01, 0.00, 0.98, 0.19
HSL	61°, 96%, 41%
HSV	61°, 98%, 81%
XYZ	46.5818, 56.6813, 8.6044
YIQ	182.0750, 63.0540, -63.4580

Conversions

Conversions Part 2

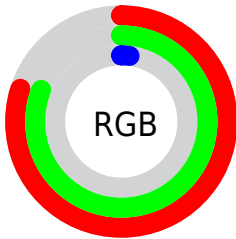
Format	Color
R _Y B	4, 206, 7
Decimal	13356548
CIE Lab	80.00, -19.58, 79.69
CIE LCh	80, 82.062, 103.805
Yxy	56.6813, 0.4164, 0.5067
Android (android.graphics.Color)	4291546628 (0xFFCBCE04)
YUV	182.0750, -87.7910, 18.3512
Hunter-Lab	75.2870, -21.3100, 45.9247

Details

The CIELCh color **80, 82.062, 103.805** 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 **26, 112.780, 306.166**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 79.352, 104.125**, and **60, 66.006, 106.050** is the 20% darker color. If you saturate the color by 10%, you get **80, 82.454, 103.789**, and if you desaturate by 10%, it is **80, 79.576, 103.945**.

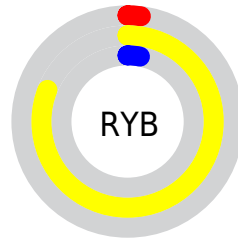
Distribution



Red (80%)

Green (81%)

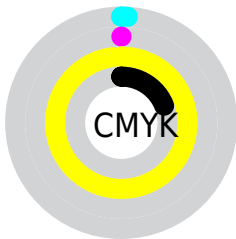
Blue (2%)



Red (2%)

Yellow (81%)

Blue (3%)

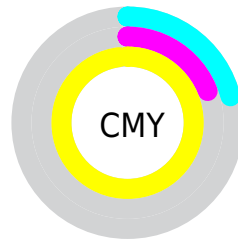


Cyan (1%)

Magenta (0%)

Yellow (98%)

Black (19%)



Cyan (21%)


Magenta (19%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 82.062, 103.805 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 80, 82.062, 103.805 by changing the saturation by 10% instead.


 80, 82.062,
103.805


 80, 82.062,
103.805


 100, 82.062,
103.805


 70, 82.062,
103.805

 60, 82.062,
103.805

 50, 82.062,
103.805

 40, 82.062,
103.805

 30, 82.062,
103.805

 20, 82.062,
103.805

 10, 82.062,

103.805

■ 0, 82.062, 103.805

■ 80, 82.062,
103.805

■ 80, 82.062,
103.805

■ 80, 82.454,
103.789

■ 80, 79.576,
103.945

■ 80, 74.895,
104.288

■ 80, 68.170,
104.827

■ 80, 59.896,
105.523

■ 81, 50.562,
106.332

■ 81, 40.550,
107.213

■ 81, 30.122,
108.137

■ 82, 19.451,
109.079

■ 82, 8.649, 110.019

Harmonies

Complementary

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



80, 82.062, 103.805



26, 112.780, 306.166

Rectangle

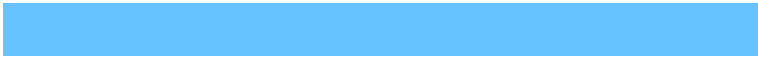
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 82.062, 103.805



80, 82.062, 153.805



80, 82.062, 283.805



80, 82.062, 333.805

Sweetspot

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



80, 82.061, 103.807



98, 37.134, 108.007



43, 87.807, 39.466



52, 25.395, 107.606



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 82.061, 103.807



97, 96.934, 103.801



74, 92.224, 127.953



43, 6.109, 109.887



66, 70.214, 103.775



14, 21.916, 106.267

Inverse Universe

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



26, 112.780, 306.166



32, 133.751, 306.317



33, 105.351, 311.925



39, 6.245, 291.713



19, 96.849, 306.338



1, 23.542, 292.834

Previews

White Background



This preview shows how the CIELCh color 80, 82.062, 103.805 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 80, 82.062, 103.805 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 80, 82.062, 103.805

Background



This preview shows how black text looks on a background with the CIELCh color 80, 82.062, 103.805.



This preview shows how white text looks on a background with the CIELCh color 80, 82.062, 103.805.

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
80, 82.155, 103.797

Protanopia
80, 81.221, 95.007

Deuteranopia
80, 78.105, 82.501



Tritanopia
80, 12.187, 339.483

Trichromacy



Original Color
80, 82.155, 103.797

Protanomaly
80, 81.091, 98.183

Deuteranomaly
80, 78.459, 90.287

Tritanomaly
79, 33.775, 96.541

Monochromacy



Original Color
80, 82.155, 103.797

Achromatopsia
74, 0.009, 296.813

Achromatomaly
76, 38.920, 107.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 82.062, 103.805 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(203, 206, 4)` looks like.

```
.text, #text, p{  
    color:rgb(203, 206, 4)  
}
```

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(203, 206, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 206, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 82.062, 103.805 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(203, 206, 4) }
```

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

```
.border{ border-color:rgb(203, 206, 4) }
```

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

Here you see how a box with a 4 pixel rgb(203, 206, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 206, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 206, 4);  
box-shadow:4px 4px 4px 4px rgb(203, 206,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 82.062, 103.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 206, 4) }
```

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

```
.background{ background-color: rgb(203,  
206, 4) }
```

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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