

Converting Colors

CIELCh(79, 80.756, 101.642)

Have a look what the booklet for
CIELCh(79, 80.756, 101.642)
contains.

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Color

CIELCh(79, 80.633, 101.634)

Conversions

Conversions Part 1

Format	Color
Hex	CDC905
RGB	205, 201, 5
RGB Percent	80%, 79%, 2%
CMY	0.1949, 0.2107, 0.9809
CMYK	0.00, 0.02, 0.98, 0.19
HSL	59°, 95%, 41%
HSV	59°, 98%, 81%
XYZ	46.2320, 54.9284, 8.3045
YIQ	179.8520, 65.3000, -60.1080

Conversions

Conversions Part 2

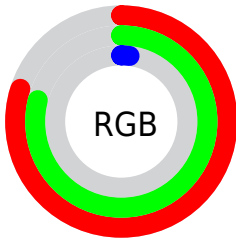
Format	Color
R _Y B	9, 205, 5
Decimal	13486341
CIE Lab	79.00, -16.26, 78.98
CIE LCh	79, 80.633, 101.634
Yxy	54.9284, 0.4223, 0.5018
Android (android.graphics.Color)	4291676421 (0xFFCDC905)
YUV	179.8520, -86.2020, 22.0548
Hunter-Lab	74.1137, -18.3508, 45.2361

Details

The CIELCh color **79, 80.633, 101.634** 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, 111.663, 305.895**, 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 **59, 64.281, 103.267** is the 20% darker color. If you saturate the color by 10%, you get **79, 81.074, 101.572**, and if you desaturate by 10%, it is **79, 78.159, 101.953**.

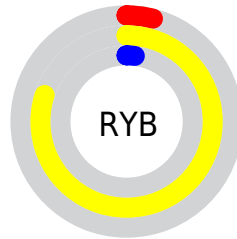
Distribution



Red (80%)

Green (79%)

Blue (2%)



Red (4%)

Yellow (80%)

Blue (2%)

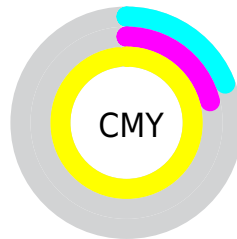


Cyan (0%)

Magenta (2%)

Yellow (98%)

Black (19%)



Cyan (19%)


Magenta (21%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 80.633, 101.634 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 79, 80.633, 101.634 by changing the saturation by 10% instead.

 79, 80.633,
101.634

 79, 80.633,
101.634


 100, 80.633,
101.634


 69, 80.633,
101.634


 99, 80.633,
101.634

 59, 80.633,
101.634

 49, 80.633,
101.634

 39, 80.633,
101.634

 29, 80.633,
101.634

 19, 80.633,
101.634

 9, 80.633, 101.634

■ 0, 80.633, 101.634

■ 79, 80.633,
101.634

■ 79, 80.633,
101.634

■ 79, 81.074,
101.572

■ 79, 78.159,
101.953

■ 79, 73.454,
102.439

■ 80, 66.731,
103.090

■ 80, 58.506,
103.872

■ 80, 49.270,
104.748

■ 81, 39.399,
105.686

■ 81, 29.147,
106.658

■ 81, 18.678,
107.644

■ 82, 8.097, 108.623

Harmonies

Complementary

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



79, 80.633, 101.634



26, 111.663, 305.895

Rectangle

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



79, 80.633, 101.634



79, 80.633, 151.634



79, 80.633, 281.634



79, 80.633, 331.634

Sweetspot

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



79, 80.632, 101.636



98, 36.439, 106.488



43, 86.206, 38.274



52, 24.928, 106.067



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 80.632, 101.636



96, 95.451, 101.556



74, 90.965, 126.763



43, 5.988, 108.452



65, 69.168, 101.592



14, 21.438, 104.331

Inverse Universe

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



26, 111.663, 305.895



33, 133.030, 306.126



32, 105.751, 311.203



39, 6.115, 290.356



19, 95.961, 306.012



1, 23.202, 291.965

Previews

White Background



This preview shows how the CIELCh color 79, 80.633, 101.634 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 79, 80.633, 101.634 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 79, 80.633, 101.634

Background



This preview shows how black text looks on a background with the CIELCh color 79, 80.633, 101.634.

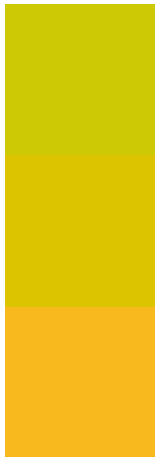


This preview shows how white text looks on a background with the CIELCh color 79, 80.633, 101.634.

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

79, 80.536, 101.641

Protanopia

79, 80.329, 94.896

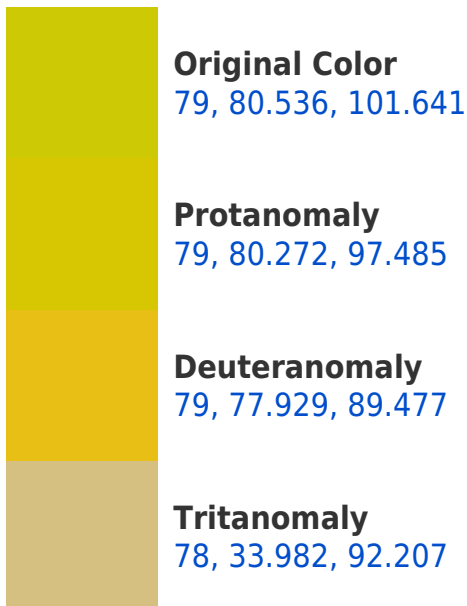
Deuteranopia

79, 77.626, 82.271

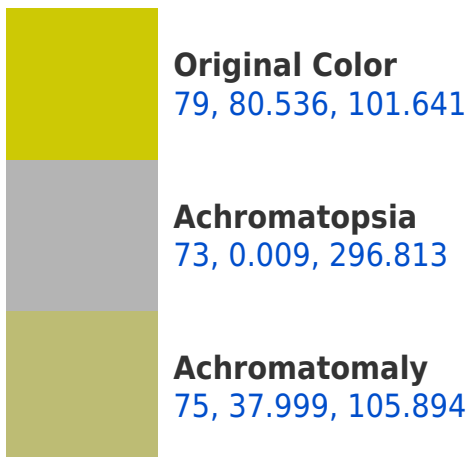


Tritanopia
79, 13.985, 345.736

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 80.633, 101.634 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(205, 201, 5)` looks like.

```
.text, #text, p{  
    color:rgb(205, 201, 5)  
}
```

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(205, 201, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 201, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 80.633, 101.634 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(205, 201, 5) }
```

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

```
.border{ border-color:rgb(205, 201, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 201, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 201, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 201, 5);  
box-shadow:4px 4px 4px 4px rgb(205, 201,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 80.633, 101.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 201, 5) }
```

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

```
.background{ background-color: rgb(205,  
201, 5) }
```

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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