

Converting Colors

CIELCh(80, 77.560, 105.121)

Have a look what the booklet for
CIELCh(80, 77.560, 105.121)
contains.

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Color

CIELCh(80, 77.421, 105.212)

Conversions

Conversions Part 1

Format	Color
Hex	C8CE24
RGB	200, 206, 36
RGB Percent	78%, 81%, 14%
CMY	0.2148, 0.1913, 0.8576
CMYK	0.03, 0.00, 0.82, 0.19
HSL	62°, 70%, 48%
HSV	62°, 82%, 81%
XYZ	46.3224, 56.6813, 10.1919
YIQ	184.8260, 50.9940, -54.1420

Conversions

Conversions Part 2

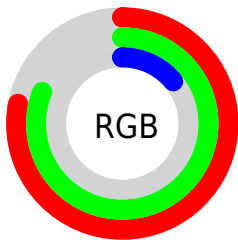
Format	Color
R _{YB}	36, 206, 42
Decimal	13159972
CIE Lab	80.00, -20.31, 74.71
CIE LCh	80, 77.421, 105.212
Yxy	56.6813, 0.4092, 0.5007
Android (android.graphics.Color)	4291350052 (0xFFC8CE24)
YUV	184.8260, -73.3712, 13.3076
Hunter-Lab	75.2870, -21.9250, 44.6745

Details

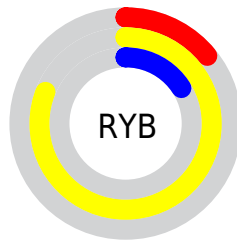
The CIELCh color **80, 77.421, 105.212** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **30, 101.729, 304.579**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 74.447, 104.491**, and **60, 66.076, 106.840** is the 20% darker color. If you saturate the color by 10%, you get **80, 81.112, 105.047**, and if you desaturate by 10%, it is **80, 71.526, 105.611**.

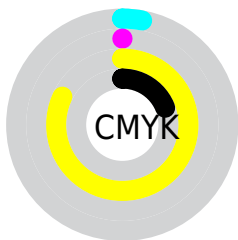
Distribution



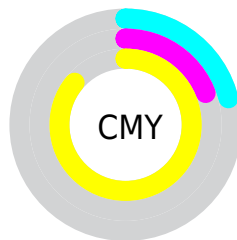
- Red (78%)
- Green (81%)
- Blue (14%)



- Red (14%)
- Yellow (81%)
- Blue (16%)



- Cyan (3%)
- Magenta (0%)
- Yellow (82%)
- Black (19%)





- Cyan (21%)
- Magenta (19%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 77.421, 105.212 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, 77.421, 105.212 by changing the saturation by 10% instead.

 80, 77.421,
105.212

 80, 77.421,
105.212


 100, 77.421,
105.212

 70, 77.421,
105.212

 60, 77.421,
105.212

 50, 77.421,
105.212

 40, 77.421,
105.212

 30, 77.421,
105.212

 20, 77.421,
105.212

 10, 77.421,

105.212

■ 0, 77.421, 105.212

■ 80, 77.421,
105.212

■ 80, 77.421,
105.212

■ 80, 81.112,
105.047

■ 80, 71.526,
105.611

■ 80, 82.662,
105.049

■ 80, 63.851,
106.198

■ 81, 54.911,
106.924

■ 81, 45.139,
107.745

■ 81, 34.848,
108.623

■ 82, 24.245,
109.529

■ 82, 13.466,
110.442

■ 83, 2.599, 111.333

■ 83, 8.299, 292.245

Harmonies

Complementary

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



80, 77.421, 105.212



30, 101.729, 304.579

Rectangle

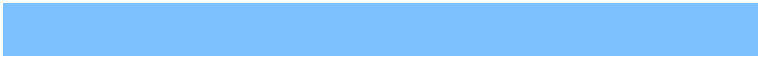
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 77.421, 105.212



80, 77.421, 155.212



80, 77.421, 285.212



80, 77.421, 335.212

Sweetspot

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



80, 77.421, 105.214



98, 32.106, 109.264



46, 76.386, 35.705



52, 21.856, 108.941



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, 77.421, 105.214



96, 96.839, 105.070



75, 86.251, 127.711



43, 6.112, 110.715



65, 70.269, 105.016



14, 21.927, 107.459

Inverse Universe

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



30, 101.729, 304.579



33, 133.230, 306.296



38, 96.132, 313.411



39, 6.247, 292.477



19, 96.741, 306.406



1, 23.553, 293.358

Previews

White Background



This preview shows how the CIELCh color 80, 77.421, 105.212 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 80, 77.421, 105.212 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, 77.421, 105.212

Background



This preview shows how black text looks on a background with the CIELCh color 80, 77.421, 105.212.



This preview shows how white text looks on a background with the CIELCh color 80, 77.421, 105.212.

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, 77.421, 105.212

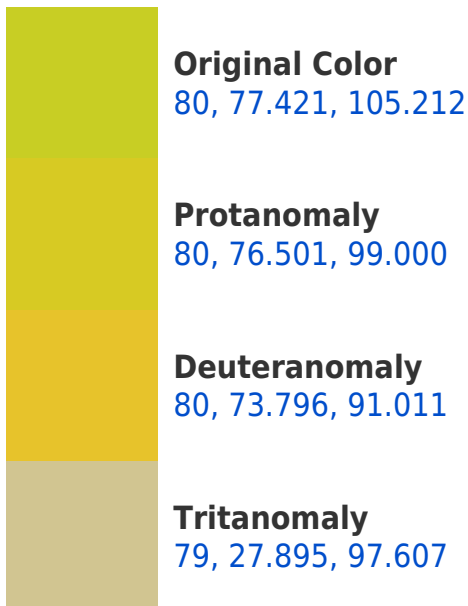
Protanopia
80, 76.328, 95.289

Deuteranopia
80, 74.067, 82.131



Tritanopia
80, 11.371, 335.715

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 77.421, 105.212 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(200, 206, 36)` looks like.

```
.text, #text, p{  
    color:rgb(200, 206, 36)  
}
```

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(200, 206, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 206, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 77.421, 105.212 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(200, 206, 36) }
```

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

```
.border{ border-color:rgb(200, 206, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 206, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 206, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 206, 36);  
box-shadow:4px 4px 4px 4px rgb(200, 206,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 77.421, 105.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 206, 36) }
```

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

```
.background{ background-color: rgb(200,  
206, 36) }
```

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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