

Converting Colors

CIELCh(80, 76.314, 105.193)

Have a look what the booklet for
CIELCh(80, 76.314, 105.193)
contains.

CIELCh(80, 76.191, 105.345)	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(80, 76.191, 105.345)

Conversions

Conversions Part 1

Format	Color
Hex	C8CE29
RGB	200, 206, 41
RGB Percent	78%, 81%, 16%
CMY	0.2150, 0.1915, 0.8384
CMYK	0.03, 0.00, 0.80, 0.19
HSL	62°, 67%, 49%
HSV	62°, 80%, 81%
XYZ	46.3762, 56.6813, 10.6129
YIQ	185.3960, 49.3890, -52.5870

Conversions

Conversions Part 2

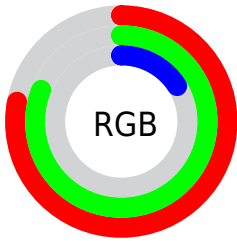
Format	Color
R_{YB}	41, 206, 47
Decimal	13159977
CIE _{Lab}	80.00, -20.16, 73.47
CIE _{LCh}	80, 76.191, 105.345
Yxy	56.6813, 0.4080, 0.4986
Android (android.graphics.Color)	4291350057 (0xFFC8CE29)
YUV	185.3960, -71.1872, 12.8077
Hunter-Lab	75.2870, -21.7976, 44.3430

Details

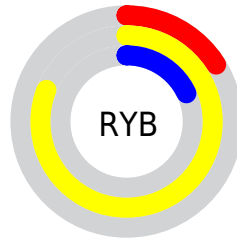
The CIELCh color **80, 76.191, 105.345** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **31, 99.159, 304.202**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 73.258, 104.580**, and **60, 66.076, 106.840** is the 20% darker color. If you saturate the color by 10%, you get **80, 80.431, 105.127**, and if you desaturate by 10%, it is **80, 69.826, 105.791**.

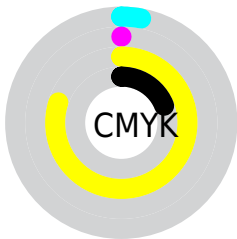
Distribution



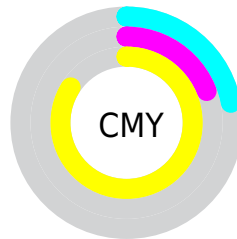
- Red (78%)
- Green (81%)
- Blue (16%)



- Red (16%)
- Yellow (81%)
- Blue (18%)



- Cyan (3%)
- Magenta (0%)
- Yellow (80%)
- Black (19%)





- Cyan (22%)
- Magenta (19%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 76.191, 105.345 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, 76.191, 105.345 by changing the saturation by 10% instead.


 80, 76.191,
105.345


 80, 76.191,
105.345


 100, 76.191,
105.345


 70, 76.191,
105.345

 60, 76.191,
105.345

 50, 76.191,
105.345

 40, 76.191,
105.345

 30, 76.191,
105.345

 20, 76.191,
105.345

 10, 76.191,

105.345

■ 0, 76.191, 105.345

■ 80, 76.191,
105.345

■ 80, 76.191,
105.345

■ 80, 80.431,
105.127

■ 80, 69.826,
105.791

■ 80, 82.651,
105.116

■ 80, 61.805,
106.413

■ 81, 52.633,
107.164

■ 81, 42.715,
108.000

■ 81, 32.335,
108.885

■ 82, 21.682,
109.793

■ 82, 10.877,
110.703

■ 83, 0.001, 45.523

■ 83, 10.896,
292.492

Harmonies

Complementary

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



80, 76.191, 105.345



31, 99.159, 304.202

Rectangle

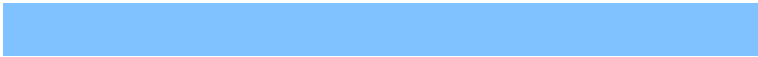
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 76.191, 105.345



80, 76.191, 155.345



80, 76.191, 285.345



80, 76.191, 335.345

Sweetspot

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



80, 76.191, 105.347



99, 30.840, 109.403



46, 74.164, 34.952



52, 21.141, 109.075



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, 76.191, 105.347



96, 96.320, 105.117



75, 84.685, 127.610



43, 6.112, 110.759



65, 70.273, 105.082



14, 21.928, 107.523

Inverse Universe

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



31, 99.159, 304.202



33, 131.912, 306.138



39, 94.184, 313.437



39, 6.248, 292.518



19, 96.735, 306.409



1, 23.554, 293.386

Previews

White Background



This preview shows how the CIELCh color 80, 76.191, 105.345 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, 76.191, 105.345 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, 76.191, 105.345

Background



This preview shows how black text looks on a background with the CIELCh color 80, 76.191, 105.345.



This preview shows how white text looks on a background with the CIELCh color 80, 76.191, 105.345.

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, 76.191, 105.345

Protanopia
80, 75.120, 95.275

Deuteranopia
80, 72.855, 81.901



Tritanopia
80, 11.371, 335.715

Trichromacy



Original Color
80, 76.191, 105.345

Protanomaly
80, 75.278, 99.041

Deuteranomaly
80, 72.646, 90.929

Tritanomaly
79, 26.867, 97.347

Monochromacy



Original Color
80, 76.191, 105.345

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 31.723, 108.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 76.191, 105.345 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(200, 206, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 206, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 76.191, 105.345 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, 41) }
```

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

```
.border{ border-color:rgb(200, 206, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 206, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 206, 41);  
box-shadow:4px 4px 4px 4px rgb(200, 206,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 76.191, 105.345 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, 41) }
```

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

```
.background{ background-color: rgb(200,  
206, 41) }
```

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