

Converting Colors

CIELCh(76, 81.757, 127.648)

Have a look what the booklet for
CIELCh(76, 81.757, 127.648)
contains.

CIELCh(76, 81.757, 127.648)	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(76, 81.757, 127.648)

Conversions

Conversions Part 1

Format	Color
Hex	7CD034
RGB	124, 208, 52
RGB Percent	49%, 82%, 20%
CMY	0.5120, 0.1826, 0.7942
CMYK	0.40, 0.00, 0.75, 0.18
HSL	92°, 63%, 51%
HSV	92°, 75%, 82%
XYZ	31.6640, 49.8872, 11.2639
YIQ	165.1000, 0.0120, -66.3240

Conversions

Conversions Part 2

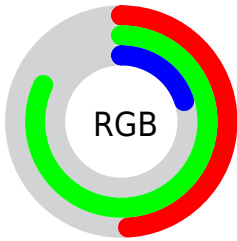
Format	Color
RYB	52, 208, 136
Decimal	8179764
CIELab	76.00, -49.94, 64.73
CIELCh	76, 81.757, 127.648
Yxy	49.8872, 0.3412, 0.5375
Android (android.graphics.Color)	4286369844 (0xFF7CD034)
YUV	165.1000, -55.7583, -36.0447
Hunter-Lab	70.6309, -43.5821, 39.9863

Details

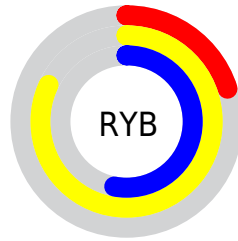
The CIELCh color **76, 81.757, 127.648** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **42, 90.272, 313.575**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 76.404, 126.490**, and **56, 76.074, 130.083** is the 20% darker color. If you saturate the color by 10%, you get **75, 88.583, 128.011**, and if you desaturate by 10%, it is **77, 73.110, 127.664**.

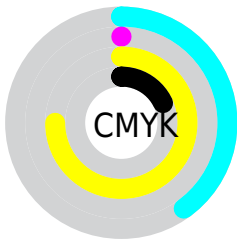
Distribution



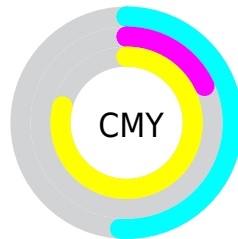
- Red (49%)
- Green (82%)
- Blue (20%)



- Red (20%)
- Yellow (82%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (75%)
- Black (18%)




- Cyan (51%)
- Magenta (18%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 81.757, 127.648 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 76, 81.757, 127.648 by changing the saturation by 10% instead.


 76, 81.757,
127.648

 76, 81.757,
127.648

 100, 81.757,
127.648


 66, 81.757,
127.648


 96, 81.757,
127.648

 56, 81.757,
127.648

 46, 81.757,
127.648

 36, 81.757,
127.648

 26, 81.757,
127.648

 16, 81.757,
127.648

 6, 81.757, 127.648

■ 0, 81.757, 127.648

■ 76, 81.757,
127.648

■ 76, 81.757,
127.648

■ 75, 88.583,
128.011

■ 77, 73.110,
127.664

■ 75, 93.210,
128.852

■ 77, 63.148,
127.927

■ 75, 94.980,
129.392

■ 78, 52.319,
128.330

■ 79, 40.956,
128.798

■ 80, 29.294,
129.285

■ 82, 17.497,
129.761

■ 83, 5.678, 130.224

■ 84, 6.082, 310.591

■ 86, 17.727,
310.979

Harmonies

Complementary

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



76, 81.757, 127.648



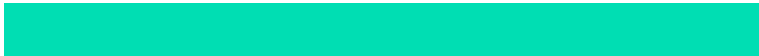
42, 90.272, 313.575

Rectangle

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



76, 81.757, 127.648



76, 81.757, 177.648



76, 81.757, 307.648



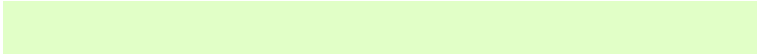
76, 81.757, 357.648

Sweetspot

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



76, 81.757, 127.649



97, 30.584, 129.409



63, 57.767, 68.790



51, 20.543, 129.276



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 81.757, 127.649



90, 106.795, 128.475



74, 90.117, 138.265



43, 6.706, 130.012



61, 80.805, 129.150



14, 26.501, 130.994

Inverse Universe

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



42, 90.272, 313.575



45, 119.390, 313.265



52, 87.629, 329.021



41, 6.790, 310.799



27, 90.594, 312.888



3, 26.976, 308.994

Previews

White Background



This preview shows how the CIELCh color 76, 81.757, 127.648 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 76, 81.757, 127.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

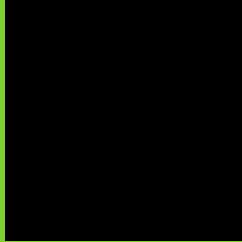
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 81.757, 127.648

Background



This preview shows how black text looks on a background with the CIELCh color 76, 81.757, 127.648.



This preview shows how white text looks on a background with the CIELCh color 76, 81.757, 127.648.

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
76, 81.757, 127.648

Protanopia
76, 68.508, 95.459

Deuteranopia
76, 63.144, 81.078



Tritanopia
76, 17.473, 228.171

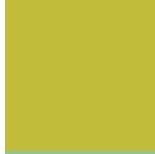
Trichromacy



Original Color
76, 81.757, 127.648



Protanomaly
75, 70.400, 109.674



Deuteranomaly
75, 63.586, 101.708

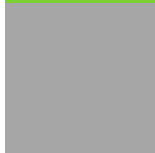


Tritanomaly
75, 33.364, 149.393

Monochromacy



Original Color
76, 81.757, 127.648



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 32.474, 128.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 81.757, 127.648 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(124, 208, 52)` looks like.

```
.text, #text, p{  
    color:rgb(124, 208, 52)  
}
```

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(124, 208, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 208, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 81.757, 127.648 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(124, 208, 52) }
```

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

```
.border{ border-color:rgb(124, 208, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 208, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 208, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 208, 52);  
box-shadow:4px 4px 4px 4px rgb(124, 208,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 81.757, 127.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 208, 52) }
```

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

```
.background{ background-color: rgb(124,  
208, 52) }
```

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