

Converting Colors

CIELCh(80, 96.219, 129.952)

Have a look what the booklet for
CIELCh(80, 96.219, 129.952)
contains.

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Color

CIELCh(80, 96.288, 129.974)

Conversions

Conversions Part 1

Format	Color
Hex	6CE01F
RGB	108, 224, 31
RGB Percent	42%, 88%, 12%
CMY	0.5759, 0.1210, 0.8776
CMYK	0.52, 0.00, 0.86, 0.12
HSL	96°, 76%, 50%
HSV	96°, 86%, 88%
XYZ	33.1445, 56.6813, 10.5046
YIQ	167.3140, -7.1830, -84.6150

Conversions

Conversions Part 2

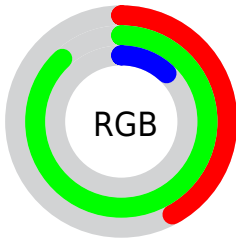
Format	Color
R _Y B	31, 224, 147
Decimal	7135263
CIE Lab	80.00, -61.86, 73.79
CIE LCh	80, 96.288, 129.974
Yxy	56.6813, 0.3304, 0.5649
Android (android.graphics.Color)	4285325343 (0xFF6CE01F)
YUV	167.3140, -67.2028, -52.0184
Hunter-Lab	75.2870, -53.1690, 44.4283

Details

The CIELCh color **80, 96.288, 129.974** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **42, 104.482, 315.133**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 82.878, 127.896**, and **60, 85.845, 134.482** is the 20% darker color. If you saturate the color by 10%, you get **80, 100.902, 130.808**, and if you desaturate by 10%, it is **81, 89.259, 129.617**.

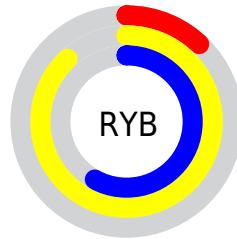
Distribution



Red (42%)

Green (88%)

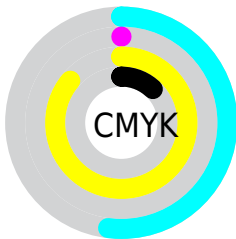
Blue (12%)



Red (12%)

Yellow (88%)

Blue (58%)

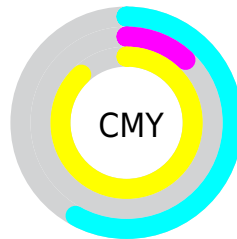


Cyan (52%)

Magenta (0%)

Yellow (86%)

Black (12%)



Cyan (58%)


Magenta (12%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 96.288, 129.974 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, 96.288, 129.974 by changing the saturation by 10% instead.


 80, 96.288,
129.974


 80, 96.288,
129.974


 100, 96.288,
129.974


 70, 96.288,
129.974


 60, 96.288,
129.974

 50, 96.288,
129.974

 40, 96.288,
129.974

 30, 96.288,
129.974

 20, 96.288,
129.974

 10, 96.288,

129.974

■ 0, 96.288, 129.974

■ 80, 96.288,
129.974

■ 80, 96.288,
129.974

■ 80, 100.902,
130.808

■ 81, 89.259,
129.617

■ 79, 102.279,
131.188

■ 81, 80.174,
129.647

■ 82, 69.579,
129.932

■ 83, 57.978,
130.359

■ 84, 45.754,
130.847

■ 85, 33.181,
131.348

■ 87, 20.451,
131.832

■ 88, 7.699, 132.294

■ 90, 4.979, 312.647

Harmonies

Complementary

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



80, 96.288, 129.974



42, 104.482, 315.133

Rectangle

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



80, 96.288, 129.974



80, 96.288, 179.974



80, 96.288, 309.974



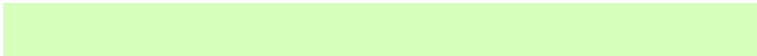
80, 96.288, 359.974

Sweetspot

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



80, 96.288, 129.975



96, 36.741, 131.342



67, 69.461, 72.566



51, 24.887, 131.168



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, 96.288, 129.975



89, 112.888, 131.296



78, 100.354, 138.229



46, 7.220, 132.139



64, 85.126, 130.945



17, 31.792, 131.206

Inverse Universe

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



42, 104.482, 315.133



44, 122.317, 314.227



53, 94.252, 332.051



44, 7.299, 312.908



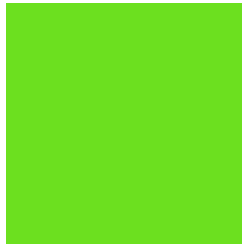
30, 92.420, 314.482



4, 34.192, 314.131

Previews

White Background



This preview shows how the CIE LCh color 80, 96.288, 129.974 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, 96.288, 129.974 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, 96.288, 129.974

Background



This preview shows how black text looks on a background with the CIELCh color 80, 96.288, 129.974.



This preview shows how white text looks on a background with the CIELCh color 80, 96.288, 129.974.

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





Tritanopia
80, 23.275, 219.654

Trichromacy



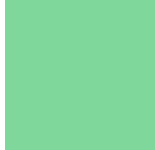
Original Color
80, 96.288, 129.974



Protanomaly
79, 80.664, 111.060



Deuteranomaly
78, 73.051, 104.903



Tritanomaly
79, 44.667, 151.128

Monochromacy



Original Color
80, 96.288, 129.974



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 40.909, 130.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 96.288, 129.974 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(108, 224, 31)` looks like.

```
.text, #text, p{  
    color:rgb(108, 224, 31)  
}
```

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(108, 224, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 224, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 96.288, 129.974 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(108, 224, 31) }
```

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

```
.border{ border-color:rgb(108, 224, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 224, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 224, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 224, 31);  
box-shadow:4px 4px 4px 4px rgb(108, 224,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 96.288, 129.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 224, 31) }
```

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

```
.background{ background-color: rgb(108,  
224, 31) }
```

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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