

Converting Colors

CIELCh(81, 101.069, 129.882)

Have a look what the booklet for
CIELCh(81, 101.069, 129.882)
contains.

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Color

CIELCh(81, 101.113, 129.889)

Conversions

Conversions Part 1

Format	Color
Hex	68E40A
RGB	104, 228, 10
RGB Percent	41%, 89%, 4%
CMY	0.5920, 0.1057, 0.9603
CMYK	0.54, 0.00, 0.96, 0.11
HSL	94°, 91%, 47%
HSV	94°, 96%, 89%
XYZ	33.5204, 58.4711, 9.8095
YIQ	166.0720, -3.9260, -94.0860

Conversions

Conversions Part 2

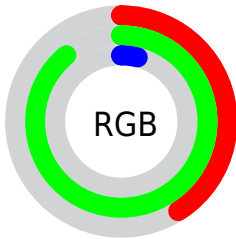
Format	Color
RYB	10, 228, 134
Decimal	6874122
CIELab	81.00, -64.84, 77.58
CIElCh	81, 101.113, 129.889
Yxy	58.4711, 0.3293, 0.5744
Android (android.graphics.Color)	4285064202 (0xFF68E40A)
YUV	166.0720, -76.9435, -54.4371
Hunter-Lab	76.4664, -55.5675, 45.9205

Details

The CIELCh color **81, 101.113, 129.889** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **39, 111.430, 313.740**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 85.677, 127.479**, and **61, 87.934, 135.312** is the 20% darker color. If you saturate the color by 10%, you get **81, 102.667, 130.356**, and if you desaturate by 10%, it is **82, 96.374, 129.023**.

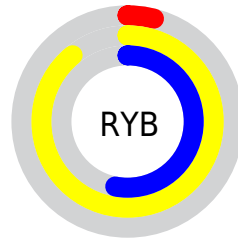
Distribution



Red (41%)

Green (89%)

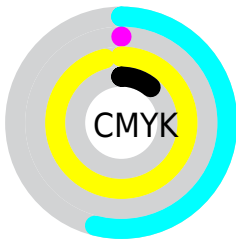
Blue (4%)



Red (4%)

Yellow (89%)

Blue (53%)

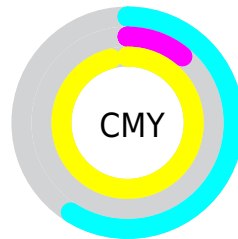


Cyan (54%)

Magenta (0%)

Yellow (96%)

Black (11%)



Cyan (59%)


Magenta (11%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 101.113, 129.889 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 81, 101.113, 129.889 by changing the saturation by 10% instead.


 81, 101.113,
129.889


 81, 101.113,
129.889


 100, 101.113,
129.889


 71, 101.113,
129.889


 61, 101.113,
129.889

 51, 101.113,
129.889

 41, 101.113,
129.889

 31, 101.113,
129.889

 21, 101.113,
129.889

 11, 101.113,

129.889

■ 1, 101.113,
129.889

■ 0, 101.113,
129.889

■ 81, 101.113,
129.889

■ 81, 101.113,
129.889

■ 81, 102.667,
130.356

■ 82, 96.374,
129.023

■ 82, 89.215,
128.639

■ 83, 80.012,
128.646

■ 84, 69.317,
128.911

■ 85, 57.632,
129.321

■ 86, 45.336,
129.798

■ 87, 32.698,
130.290

■ 88, 19.904,
130.771

■ 90, 7.086, 131.233

Harmonies

Complementary

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



81, 101.113, 129.889



39, 111.430, 313.740

Rectangle

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



81, 101.113, 129.889



81, 101.113, 179.889



81, 101.113, 309.889



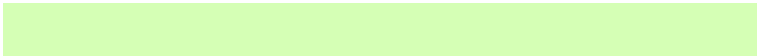
81, 101.113, 359.889

Sweetspot

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



81, 101.113, 129.890



96, 40.591, 130.112



65, 75.047, 67.089



50, 27.808, 129.900



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 101.113, 129.890



89, 111.835, 130.453



79, 107.617, 136.720



47, 7.294, 131.053



65, 85.252, 130.105



18, 32.978, 129.837

Inverse Universe

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



39, 111.430, 313.740



43, 123.171, 313.361



54, 100.162, 330.974



45, 7.381, 311.834



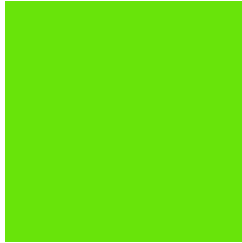
29, 94.053, 313.610



5, 36.044, 313.497

Previews

White Background



This preview shows how the CIE LCh color 81, 101.113, 129.889 looks on a white background.

Color Contrast Check

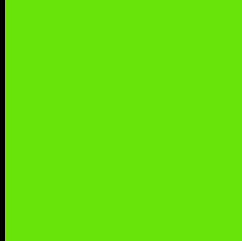
Large Text (above 18pt) WCAG AA × Fail

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 81, 101.113, 129.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

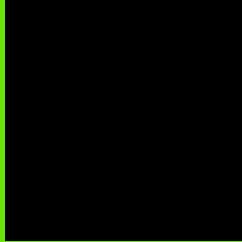
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 101.113, 129.889

Background



This preview shows how black text looks on a background with the CIELCh color 81, 101.113, 129.889.



This preview shows how white text looks on a background with the CIELCh color 81, 101.113, 129.889.

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

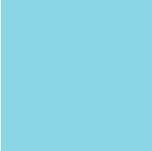
81, 101.113, 129.889

Protanopia

80, 81.518, 95.044

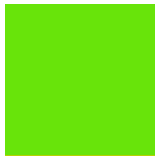
Deuteranopia

80, 74.286, 81.877



Tritanopia
81, 24.610, 219.656

Trichromacy



Original Color

81, 101.113, 129.889



Protanomaly

80, 84.461, 111.338



Deuteranomaly

79, 76.864, 104.882



Tritanomaly

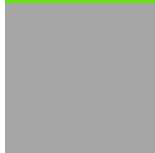
80, 49.477, 148.918

Monochromacy



Original Color

81, 101.113, 129.889



Achromatopsia

68, 0.008, 296.813



Achromatomaly

72, 46.211, 129.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 101.113, 129.889 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(104, 228, 10)` looks like.

```
.text, #text, p{  
    color:rgb(104, 228, 10)  
}
```

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(104, 228, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 228, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 101.113, 129.889 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(104, 228, 10) }
```

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

```
.border{ border-color:rgb(104, 228, 10) }
```

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

Here you see how a box with a 4 pixel rgb(104, 228, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 228, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 228, 10);  
box-shadow:4px 4px 4px 4px rgb(104, 228,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 101.113, 129.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 228, 10) }
```

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

```
.background{ background-color: rgb(104,  
228, 10) }
```

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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