

Converting Colors

CIELCh(76, 98.410, 131.194)

Have a look what the booklet for
CIELCh(76, 98.410, 131.194)
contains.

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Color

CIELCh(76, 98.611, 131.245)

Conversions

Conversions Part 1

Format	Color
Hex	55D601
RGB	85, 214, 1
RGB Percent	33%, 84%, 0%
CMY	0.6678, 0.1617, 0.9950
CMYK	0.60, 0.00, 0.99, 0.16
HSL	96°, 99%, 42%
HSV	96°, 99%, 84%
XYZ	27.7098, 49.8872, 8.2046
YIQ	151.1470, -8.5110, -93.5910

Conversions

Conversions Part 2

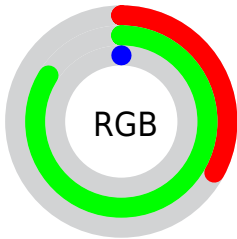
Format	Color
RYB	1, 214, 130
Decimal	5625345
CIELab	76.00, -65.01, 74.15
CIELCh	76, 98.611, 131.245
Yxy	49.8872, 0.3230, 0.5814
Android (android.graphics.Color)	4283815425 (0xFF55D601)
YUV	151.1470, -74.0225, -58.0109
Hunter-Lab	70.6309, -53.5752, 42.5544

Details

The CIELCh color **76, 98.611, 131.245** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **37, 106.620, 314.545**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.466, 130.182**, and **57, 83.756, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 98.818, 131.298**, and if you desaturate by 10%, it is **76, 94.704, 130.345**.

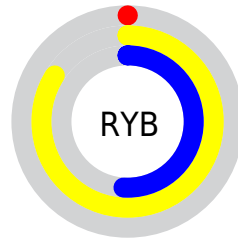
Distribution



Red (33%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (51%)

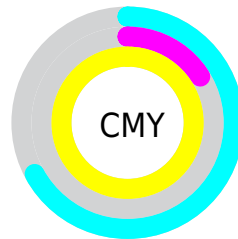


Cyan (60%)

Magenta (0%)

Yellow (99%)

Black (16%)



Cyan (67%)


Magenta (16%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 98.611, 131.245 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, 98.611, 131.245 by changing the saturation by 10% instead.


 76, 98.611,
131.245

 76, 98.611,
131.245


 100, 98.611,
131.245

 66, 98.611,
131.245


 96, 98.611,
131.245

 56, 98.611,
131.245

 46, 98.611,
131.245

 36, 98.611,
131.245

 26, 98.611,
131.245

 16, 98.611,
131.245

 6, 98.611, 131.245

■ 0, 98.611, 131.245

■ 76, 98.611,
131.245

■ 76, 98.611,
131.245

■ 76, 98.818,
131.298

■ 76, 94.704,
130.345

■ 77, 88.632,
129.857

■ 78, 80.439,
129.788

■ 78, 70.628,
130.012

■ 79, 59.707,
130.409

■ 80, 48.082,
130.887

■ 82, 36.047,
131.388

■ 83, 23.808,
131.880

■ 84, 11.511,
132.346

Harmonies

Complementary

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



76, 98.611, 131.245



37, 106.620, 314.545

Rectangle

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



76, 98.611, 131.245



76, 98.611, 181.245



76, 98.611, 311.245



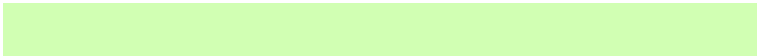
76, 98.611, 1.245

Sweetspot

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



76, 98.610, 131.246



95, 42.429, 131.343



62, 72.316, 69.193



50, 28.900, 131.129



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, 98.610, 131.246



89, 113.082, 131.447



75, 102.664, 136.850



44, 6.960, 132.345



62, 83.405, 131.066



15, 28.729, 132.474

Inverse Universe

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



37, 106.620, 314.545



44, 122.157, 314.397



50, 93.390, 332.680



42, 7.034, 313.108



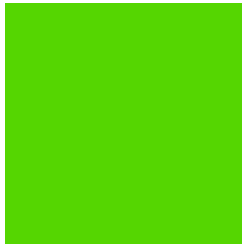
29, 90.299, 314.674



4, 29.825, 312.874

Previews

White Background



This preview shows how the CIELCh color 76, 98.611, 131.245 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, 98.611, 131.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

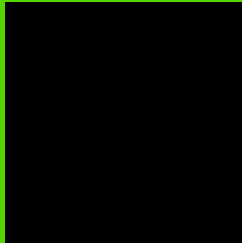
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

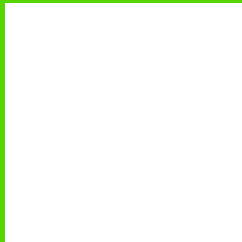
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 98.611, 131.245

Background



This preview shows how black text looks on a background with the CIELCh color 76, 98.611, 131.245.

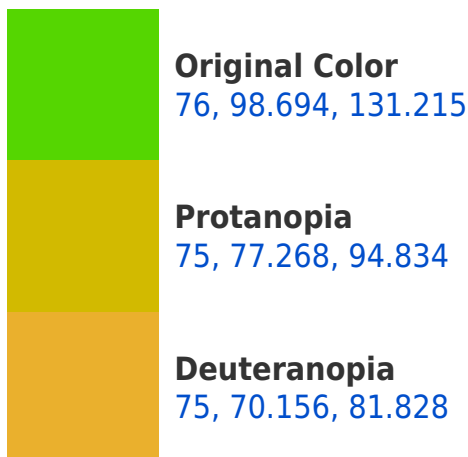


This preview shows how white text looks on a background with the CIELCh color 76, 98.611, 131.245.

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](#).

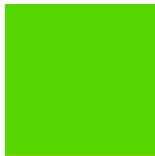
Dichromacy





Tritanopia
76, 25.454, 217.735

Trichromacy



Original Color
76, 98.694, 131.215



Protanomaly
74, 80.937, 112.690



Deuteranomaly
74, 73.752, 106.636



Tritanomaly
75, 49.935, 150.242

Monochromacy



Original Color
76, 98.694, 131.215



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 45.562, 130.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 98.611, 131.245 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(85, 214, 1)` looks like.

```
.text, #text, p{  
    color:rgb(85, 214, 1)  
}
```

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(85, 214, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 214, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 98.611, 131.245 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(85, 214, 1) }
```

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

```
.border{ border-color:rgb(85, 214, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 214, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 214, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 214, 1);  
box-shadow:4px 4px 4px 4px rgb(85, 214, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 76, 98.611, 131.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 214, 1) }
```

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

```
.background{ background-color: rgb(85, 214,  
1) }
```

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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