

Converting Colors

CIELCh(78, 81.991, 133.873)

Have a look what the booklet for
CIELCh(78, 81.991, 133.873)
contains.

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Color

CIELCh(78, 81.991, 133.873)

Conversions

Conversions Part 1

Format	Color
Hex	6CD949
RGB	108, 217, 73
RGB Percent	42%, 85%, 29%
CMY	0.5770, 0.1496, 0.7142
CMYK	0.50, 0.00, 0.66, 0.15
HSL	105°, 65%, 57%
HSV	105°, 66%, 85%
XYZ	32.1415, 53.2120, 14.8566
YIQ	167.9930, -18.7400, -67.8920

Conversions

Conversions Part 2

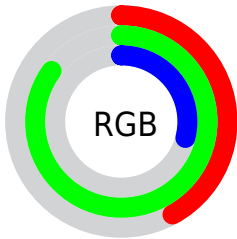
Format	Color
RYB	73, 217, 182
Decimal	7133513
CIELab	78.00, -56.82, 59.11
CIELCh	78, 81.991, 133.873
Yxy	53.2120, 0.3207, 0.5310
Android (android.graphics.Color)	4285323593 (0xFF6CD949)
YUV	167.9930, -46.8315, -52.6139
Hunter-Lab	72.9466, -49.0062, 38.9873

Details

The CIELCh color **78, 81.991, 133.873** 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 **51, 84.351, 319.979**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 71.157, 132.968**, and **58, 81.986, 133.869** is the 20% darker color. If you saturate the color by 10%, you get **77, 91.051, 133.563**, and if you desaturate by 10%, it is **79, 71.315, 134.387**.

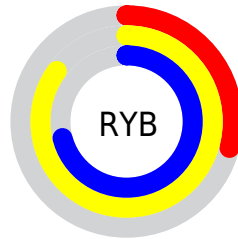
Distribution



Red (42%)

Green (85%)

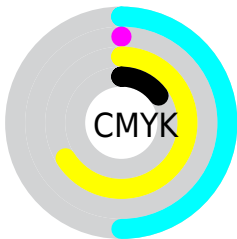
Blue (29%)



Red (29%)

Yellow (85%)

Blue (71%)

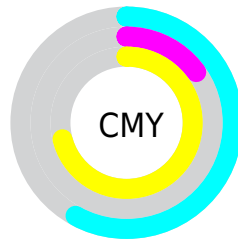


Cyan (50%)

Magenta (0%)

Yellow (66%)

Black (15%)



Cyan (58%)


Magenta (15%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 81.991, 133.873 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 78, 81.991, 133.873 by changing the saturation by 10% instead.


 78, 81.991,
133.873


 78, 81.991,
133.873


 100, 81.991,
133.873


 68, 81.991,
133.873


 98, 81.991,
133.873

 58, 81.991,
133.873

 48, 81.991,
133.873

 38, 81.991,
133.873

 28, 81.991,
133.873

 18, 81.991,
133.873

 8, 81.991, 133.873

■ 0, 81.991, 133.873

■ 78, 81.991,
133.873

■ 78, 81.991,
133.873

■ 77, 91.051,
133.563

■ 79, 71.315,
134.387

■ 77, 97.936,
133.586

■ 80, 59.543,
134.992

■ 76, 102.292,
134.024

■ 81, 47.085,
135.614

■ 76, 103.455,
134.200

■ 82, 34.246,
136.209

■ 84, 21.247,
136.756

■ 86, 8.251, 137.257

■ 87, 4.628, 317.613

■ 89, 17.310,
318.016

■ 91, 23.885,
325.256

Harmonies

Complementary

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



78, 81.991, 133.873



51, 84.351, 319.979

Rectangle

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



78, 81.991, 133.873



78, 81.991, 183.873



78, 81.991, 313.873



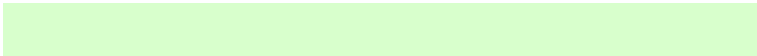
78, 81.991, 3.873

Sweetspot

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



78, 81.992, 133.874



96, 29.578, 136.555



75, 57.980, 88.725



51, 20.187, 136.399



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 81.992, 133.874



89, 106.603, 133.525



77, 73.891, 145.374



45, 7.401, 137.107



62, 87.372, 134.035



16, 31.626, 135.582

Inverse Universe

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



51, 84.351, 319.979



55, 109.281, 319.948



55, 72.483, 337.408



43, 7.450, 317.898



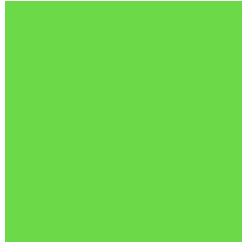
34, 88.773, 319.264



5, 33.244, 319.508

Previews

White Background



This preview shows how the CIELCh color 78, 81.991, 133.873 looks on a white background.

Color Contrast Check

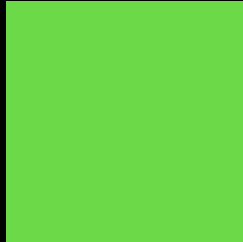
Large Text (above 18pt) WCAG AA × Fail

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 78, 81.991, 133.873 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 78, 81.991, 133.873

Background



This preview shows how black text looks on a background with the CIELCh color 78, 81.991, 133.873.

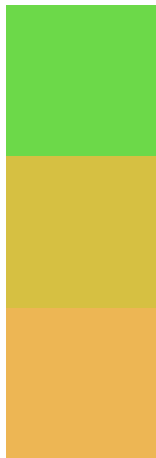


This preview shows how white text looks on a background with the CIELCh color 78, 81.991, 133.873.

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](#).

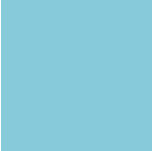
Dichromacy



Original Color
78, 81.991, 133.873

Protanopia
78, 63.652, 95.506

Deuteranopia
77, 57.056, 80.042



Tritanopia
78, 22.796, 220.267

Trichromacy



Original Color
78, 81.991, 133.873



Protanomaly
77, 66.550, 113.749



Deuteranomaly
76, 58.250, 106.846

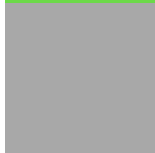


Tritanomaly
77, 37.010, 159.405

Monochromacy



Original Color
78, 81.991, 133.873



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 32.597, 136.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 81.991, 133.873 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, 217, 73)` looks like.

```
.text, #text, p{  
    color:rgb(108, 217, 73)  
}
```

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, 217, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 217, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 81.991, 133.873 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, 217, 73) }
```

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

```
.border{ border-color:rgb(108, 217, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 217, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 217, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 217, 73);  
box-shadow:4px 4px 4px 4px rgb(108, 217,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 81.991, 133.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 217, 73) }
```

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

```
.background{ background-color: rgb(108,  
217, 73) }
```

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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