

Converting Colors

CIELCh(80, 71.143, 140.212)

Have a look what the booklet for
CIELCh(80, 71.143, 140.212)
contains.

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Color

CIELCh(80, 70.986, 140.237)

Conversions

Conversions Part 1

Format	Color
Hex	6DDE6D
RGB	109, 222, 109
RGB Percent	43%, 87%, 43%
CMY	0.5720, 0.1289, 0.5721
CMYK	0.51, 0.00, 0.51, 0.13
HSL	120°, 63%, 65%
HSV	120°, 51%, 87%
XYZ	35.2479, 56.6813, 23.5856
YIQ	175.3310, -31.0750, -59.0990

Conversions

Conversions Part 2

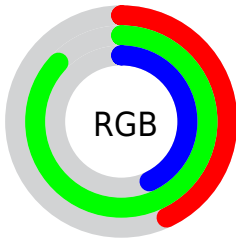
Format	Color
RYB	109, 222, 222
Decimal	7200365
CIELab	80.00, -54.57, 45.40
CIElCh	80, 70.986, 140.237
Yxy	56.6813, 0.3051, 0.4907
Android (android.graphics.Color)	4285390445 (0xFF6DDE6D)
YUV	175.3310, -32.7012, -58.1723
Hunter-Lab	75.2870, -48.1820, 34.1267

Details

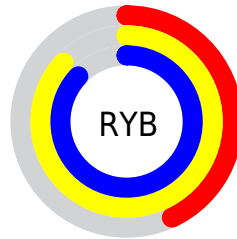
The CIELCh color **80, 70.986, 140.237** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **63, 70.573, 327.080**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 56.449, 140.510**, and **60, 71.204, 140.166** is the 20% darker color. If you saturate the color by 10%, you get **79, 82.845, 139.102**, and if you desaturate by 10%, it is **81, 57.910, 141.303**.

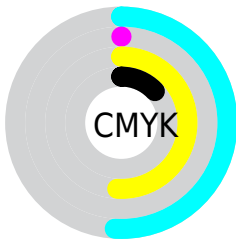
Distribution



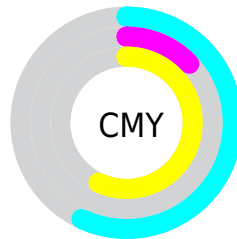
- Red (43%)
- Green (87%)
- Blue (43%)



- Red (43%)
- Yellow (87%)
- Blue (87%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (13%)





- Cyan (57%)
- Magenta (13%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 70.986, 140.237 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, 70.986, 140.237 by changing the saturation by 10% instead.


 80, 70.986,
140.237


 80, 70.986,
140.237


 100, 70.986,
140.237


 70, 70.986,
140.237

 60, 70.986,
140.237

 50, 70.986,
140.237

 40, 70.986,
140.237

 30, 70.986,
140.237

 20, 70.986,
140.237

 10, 70.986,

140.237

■ 0, 70.986, 140.237

■ 80, 70.986,
140.237

■ 80, 70.986,
140.237

■ 79, 82.845,
139.102

■ 81, 57.910,
141.303

■ 78, 92.945,
137.983

■ 83, 44.069,
142.258

■ 78, 100.703,
137.013

■ 84, 29.830,
143.089

■ 78, 105.648,
136.341

■ 86, 15.479,
143.807

■ 77, 107.923,
136.016

■ 88, 1.228, 144.618

■ 91, 12.776,

324.877

92, 20.563,
325.140

Harmonies

Complementary

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



80, 70.986, 140.237



63, 70.573, 327.080

Rectangle

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



80, 70.986, 140.237



80, 70.986, 190.237



80, 70.986, 320.237



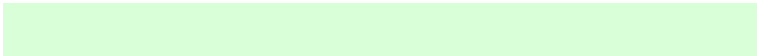
80, 70.986, 10.237

Sweetspot

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



80, 70.987, 140.237



97, 23.933, 143.515



86, 55.953, 104.592



51, 16.341, 143.363



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, 70.987, 140.237



89, 92.674, 139.034



81, 49.311, 157.387



46, 8.141, 143.902



63, 90.677, 136.015



16, 35.256, 139.478

Inverse Universe

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



63, 70.573, 327.080



68, 91.588, 327.500



61, 51.774, 348.154



44, 8.154, 324.937



42, 87.490, 328.228



8, 35.926, 328.225

Previews

White Background



This preview shows how the CIELCh color 80, 70.986, 140.237 looks on a white background.

Color Contrast Check

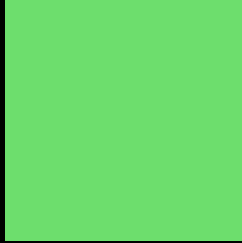
Large Text (above 18pt) WCAG AA × Fail

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, 70.986, 140.237 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, 70.986, 140.237

Background



This preview shows how black text looks on a background with the CIELCh color 80, 70.986, 140.237.

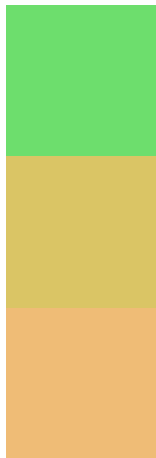


This preview shows how white text looks on a background with the CIELCh color 80, 70.986, 140.237.

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
80, 70.986, 140.237

Protanopia
79, 50.449, 95.317

Deuteranopia
79, 43.395, 76.583



Tritanopia
80, 24.374, 219.942

Trichromacy



Original Color
80, 70.986, 140.237



Protanomaly
79, 53.470, 117.941



Deuteranomaly
78, 44.254, 110.422

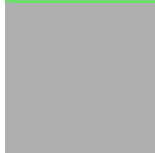


Tritanomaly
80, 34.022, 168.894

Monochromacy



Original Color
80, 70.986, 140.237



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 27.107, 143.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 70.986, 140.237 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(109, 222, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 222, 109)  
}
```

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(109, 222, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 222, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 70.986, 140.237 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(109, 222, 109) }
```

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

```
.border{ border-color:rgb(109, 222, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 222, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 222, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 222, 109);  
box-shadow:4px 4px 4px 4px rgb(109, 222,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 70.986, 140.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 222, 109) }
```

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

```
.background{ background-color: rgb(109,  
222, 109) }
```

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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