

Converting Colors

CIELCh(76, 49.662, 141.285)

Have a look what the booklet for
CIELCh(76, 49.662, 141.285)
contains.

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Color

CIELCh(76, 49.826, 141.366)

Conversions

Conversions Part 1

Format	Color
Hex	81CD80
RGB	129, 205, 128
RGB Percent	51%, 80%, 50%
CMY	0.4941, 0.1961, 0.4980
CMYK	0.37, 0.00, 0.38, 0.20
HSL	119°, 44%, 65%
HSV	119°, 38%, 80%
XYZ	34.7801, 49.8872, 28.2179
YIQ	173.4980, -20.5790, -40.0590

Conversions

Conversions Part 2

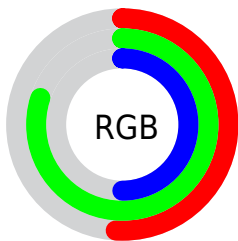
Format	Color
RYB	128, 205, 204
Decimal	8506752
CIELab	76.00, -38.92, 31.11
CIELCh	76, 49.826, 141.366
Yxy	49.8872, 0.3081, 0.4419
Android (android.graphics.Color)	4286696832 (0xFF81CD80)
YUV	173.4980, -22.4305, -39.0247
Hunter-Lab	70.6309, -35.7071, 25.7545

Details

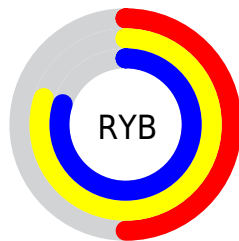
The CIELCh color **76, 49.826, 141.366** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **64, 49.800, 326.072**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 45.133, 141.458**, and **56, 49.588, 141.513** is the 20% darker color. If you saturate the color by 10%, you get **75, 62.346, 140.368**, and if you desaturate by 10%, it is **77, 36.741, 142.253**.

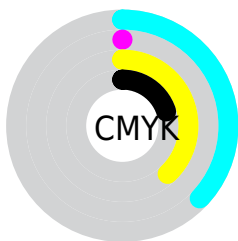
Distribution



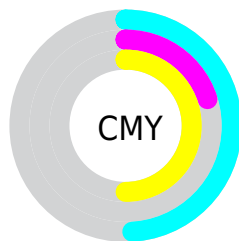
- Red (51%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (38%)
- Black (20%)




- Cyan (49%)
- Magenta (20%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 49.826, 141.366 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, 49.826, 141.366 by changing the saturation by 10% instead.

 76, 49.826,
141.366


 76, 49.826,
141.366

 100, 49.826,
141.366

 66, 49.826,
141.366

 96, 49.826,
141.366

 56, 49.826,
141.366

 46, 49.826,
141.366

 36, 49.826,
141.366

 26, 49.826,
141.366

 16, 49.826,
141.366

 6, 49.826, 141.366

0, 49.826, 141.366

76, 49.826,
141.366

76, 49.826,
141.366

75, 62.346,
140.368

77, 36.741,
142.253

74, 73.910,
139.289

79, 23.392,
143.024

73, 84.048,
138.197

81, 10.016,
143.695

73, 92.226,
137.207


83, 3.216, 324.144


72, 97.933,
136.464

85, 16.185,
324.679

72, 100.992,
136.055

87, 28.815,
325.084

 72, 101.545,
135.969

 88, 31.353,
325.516

Harmonies

Complementary

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



76, 49.826, 141.366



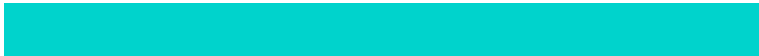
64, 49.800, 326.072

Rectangle

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



76, 49.826, 141.366



76, 49.826, 191.366



76, 49.826, 321.366



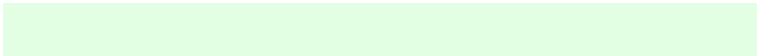
76, 49.826, 11.366

Sweetspot

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



76, 49.827, 141.366



97, 17.440, 143.464



81, 39.405, 105.844



52, 11.727, 143.373



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, 49.827, 141.366



91, 70.632, 140.575



77, 34.832, 159.152



42, 7.495, 143.577



59, 86.688, 135.955



12, 28.579, 142.665

Inverse Universe

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



64, 49.800, 326.072



74, 70.451, 326.450



63, 36.290, 346.353



40, 7.508, 324.582



39, 83.756, 327.725



5, 28.916, 327.009

Previews

White Background



This preview shows how the CIELCh color 76, 49.826, 141.366 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 76, 49.826, 141.366 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, 49.826, 141.366

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.826, 141.366.



This preview shows how white text looks on a background with the CIELCh color 76, 49.826, 141.366.

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

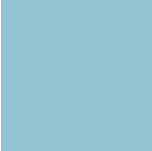
76, 49.826, 141.366

Protanopia

76, 35.266, 95.166

Deuteranopia

76, 30.158, 72.242

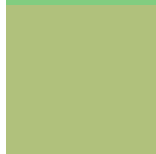


Tritanopia
76, 18.245, 226.721

Trichromacy



Original Color
76, 49.826, 141.366



Protanomaly
75, 37.043, 117.528



Deuteranomaly
75, 29.770, 107.323



Tritanomaly
76, 23.307, 173.000

Monochromacy



Original Color
76, 49.826, 141.366



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 18.607, 143.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.826, 141.366 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(129, 205, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 205, 128)  
}
```

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(129, 205, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 205, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.826, 141.366 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(129, 205, 128) }
```

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

```
.border{ border-color:rgb(129, 205, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 205, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 205, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 205, 128);  
box-shadow:4px 4px 4px 4px rgb(129, 205,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.826, 141.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 205, 128) }
```

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

```
.background{ background-color: rgb(129,  
205, 128) }
```

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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