

Converting Colors

CIELCh(76, 47.135, 166.377)

Have a look what the booklet for
CIELCh(76, 47.135, 166.377)
contains.

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Color

CIELCh(76, 47.419, 166.088)

Conversions

Conversions Part 1

Format	Color
Hex	4FD1A5
RGB	79, 209, 165
RGB Percent	31%, 82%, 65%
CMY	0.6909, 0.1810, 0.3535
CMYK	0.62, 0.00, 0.21, 0.18
HSL	160°, 58%, 56%
HSV	160°, 62%, 82%
XYZ	32.7477, 49.8872, 43.4278
YIQ	165.1140, -63.3560, -41.2440

Conversions

Conversions Part 2

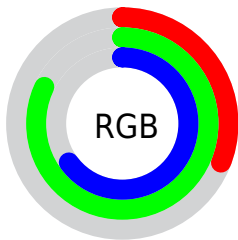
Format	Color
RYB	79, 157, 209
Decimal	5231013
CIELab	76.00, -46.03, 11.40
CIELCh	76, 47.419, 166.088
Yxy	49.8872, 0.2598, 0.3957
Android (android.graphics.Color)	4283421093 (0xFF4FD1A5)
YUV	165.1140, -0.0562, -75.5220
Hunter-Lab	70.6309, -40.8434, 12.9869

Details

The CIELCh color **76, 47.419, 166.088** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **52, 55.111, 2.667**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 41.315, 170.826**, and **56, 46.221, 164.971** is the 20% darker color. If you saturate the color by 10%, you get **75, 52.923, 164.407**, and if you desaturate by 10%, it is **77, 41.119, 167.586**.

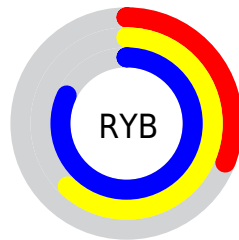
Distribution



Red (31%)

Green (82%)

Blue (65%)



Red (31%)

Yellow (62%)

Blue (82%)

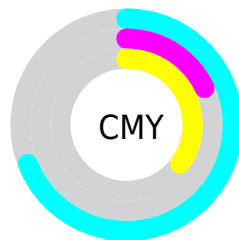


Cyan (62%)

Magenta (0%)

Yellow (21%)

Black (18%)



Cyan (69%)


Magenta (18%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 47.419, 166.088 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, 47.419, 166.088 by changing the saturation by 10% instead.

 76, 47.419,
166.088

 76, 47.419,
166.088

 100, 47.419,
166.088

 66, 47.419,
166.088

 96, 47.419,
166.088

 56, 47.419,
166.088

 46, 47.419,
166.088

 36, 47.419,
166.088

 26, 47.419,
166.088

 16, 47.419,
166.088

 6, 47.419, 166.088

■ 0, 47.419, 166.088

■ 76, 47.419,
166.088

■ 76, 47.419,
166.088

■ 75, 52.923,
164.407

■ 77, 41.119,
167.586

■ 75, 57.579,
162.526

■ 78, 34.124,
168.929

■ 75, 61.408,
160.440

■ 79, 26.567,
170.140

■ 74, 63.953,
158.743

■ 80, 18.590,
171.245

■ 82, 10.329,
172.271

■ 83, 1.908, 173.406

■ 85, 6.571, 353.950

■ 87, 15.024,
354.805

■ 88, 19.585,
349.612

Harmonies

Complementary

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



76, 47.419, 166.088



52, 55.111, 2.667

Rectangle

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



76, 47.419, 166.088



76, 47.419, 216.088



76, 47.419, 346.088



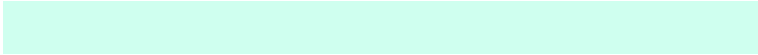
76, 47.419, 36.088

Sweetspot

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



76, 47.420, 166.087



96, 18.719, 171.563



76, 73.112, 131.203



51, 12.844, 171.260



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, 47.420, 166.087



90, 63.590, 163.753



71, 31.883, 216.983



43, 4.793, 172.557



61, 54.123, 159.112



14, 19.071, 164.250

Inverse Universe

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



52, 55.111, 2.667



58, 74.850, 6.856



55, 52.835, 37.049



41, 4.909, 354.183



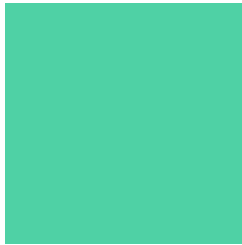
35, 63.088, 17.147



5, 20.656, 3.569

Previews

White Background



This preview shows how the CIE LCh color 76, 47.419, 166.088 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, 47.419, 166.088 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, 47.419, 166.088

Background



This preview shows how black text looks on a background with the CIELCh color 76, 47.419, 166.088.

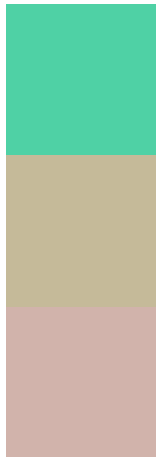


This preview shows how white text looks on a background with the CIELCh color 76, 47.419, 166.088.

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](#).

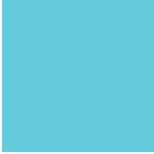
Dichromacy



Original Color
76, 47.419, 166.088

Protanopia
76, 18.214, 94.549

Deuteranopia
75, 12.480, 40.301



Tritanopia
76, 30.838, 213.767

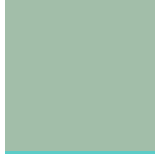
Trichromacy



Original Color
76, 47.419, 166.088



Protanomaly
75, 25.067, 145.179



Deuteranomaly
74, 15.502, 151.334

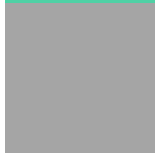


Tritanomaly
76, 33.909, 192.336

Monochromacy



Original Color
76, 47.419, 166.088



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 19.251, 170.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 47.419, 166.088 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(79, 209, 165)` looks like.

```
.text, #text, p{  
    color:rgb(79, 209, 165)  
}
```

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(79, 209, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 209, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 47.419, 166.088 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(79, 209, 165) }
```

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

```
.border{ border-color:rgb(79, 209, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 209, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 209, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 209, 165);  
box-shadow:4px 4px 4px 4px rgb(79, 209,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 47.419, 166.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 209, 165) }
```

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

```
.background{ background-color: rgb(79, 209,  
165) }
```

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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