

Converting Colors

CIELCh(76, 43.738, 146.473)

Have a look what the booklet for
CIELCh(76, 43.738, 146.473)
contains.

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Color

CIELCh(76, 43.678, 146.286)

Conversions

Conversions Part 1

Format	Color
Hex	81CC8D
RGB	129, 204, 141
RGB Percent	51%, 80%, 55%
CMY	0.4934, 0.1992, 0.4463
CMYK	0.37, 0.00, 0.31, 0.20
HSL	130°, 42%, 65%
HSV	130°, 37%, 80%
XYZ	35.5411, 49.8872, 33.0254
YIQ	174.3930, -24.4770, -35.4930

Conversions

Conversions Part 2

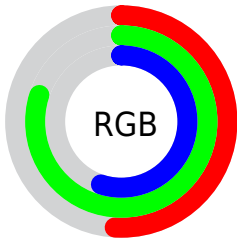
Format	Color
R _{YB}	129, 194, 204
Decimal	8506509
CIE _{Lab}	76.00, -36.33, 24.24
CIE _{LCh}	76, 43.678, 146.286
Y _{xy}	49.8872, 0.3000, 0.4212
Android (android.graphics.Color)	4286696589 (0xFF81CC8D)
YUV	174.3930, -16.4627, -39.8097
Hunter-Lab	70.6309, -33.7839, 21.7190

Details

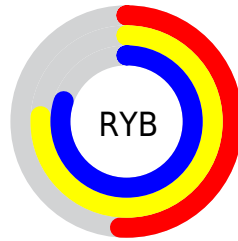
The CIELCh color **76, 43.678, 146.286** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **64, 43.750, 331.442**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 39.934, 146.950**, and **56, 43.542, 146.062** is the 20% darker color. If you saturate the color by 10%, you get **75, 55.036, 145.186**, and if you desaturate by 10%, it is **77, 31.909, 147.240**.

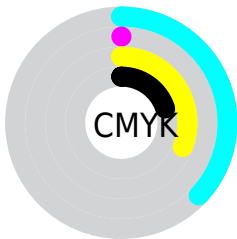
Distribution



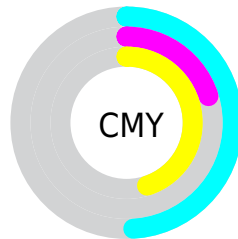
- Red (51%)
- Green (80%)
- Blue (55%)



- Red (51%)
- Yellow (76%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)



- Cyan (49%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 43.678, 146.286 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, 43.678, 146.286 by changing the saturation by 10% instead.

 76, 43.678,
146.286

 76, 43.678,
146.286

 100, 43.678,
146.286

 66, 43.678,
146.286


 96, 43.678,
146.286

 56, 43.678,
146.286

 46, 43.678,
146.286

 36, 43.678,
146.286

 26, 43.678,
146.286

 16, 43.678,
146.286

 6, 43.678, 146.286

■ 0, 43.678, 146.286

■ 76, 43.678,
146.286

■ 76, 43.678,
146.286

■ 75, 55.036,
145.186

■ 77, 31.909,
147.240

■ 74, 65.716,
143.933

■ 79, 19.949,
148.064

■ 73, 75.432,
142.537

■ 81, 7.983, 148.789

■ 72, 83.889,
141.037

■ 83, 3.852, 329.276


■ 72, 90.805,
139.508

■ 85, 15.454,
329.856

■ 72, 95.955,
138.074

■ 87, 26.758,
330.316

■ 88, 31.859,

 72, 97.288,
137.692

325.533

Harmonies

Complementary

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



76, 43.678, 146.286



64, 43.750, 331.442

Rectangle

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



76, 43.678, 146.286



76, 43.678, 196.286



76, 43.678, 326.286



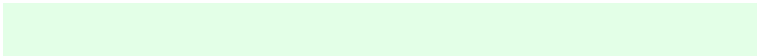
76, 43.678, 16.286

Sweetspot

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



76, 43.679, 146.286



97, 15.664, 148.477



80, 39.327, 113.329



52, 10.533, 148.378



0, 0.000, 0.000



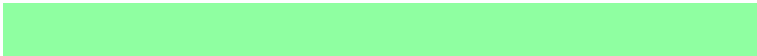
53, 0.007, 296.813

Same Dimension

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



76, 43.679, 146.286



92, 62.219, 145.437



77, 29.737, 168.852



42, 6.732, 148.601



59, 82.883, 137.909



12, 26.501, 145.713

Inverse Universe

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



64, 43.750, 331.442



74, 62.147, 331.950



63, 32.529, 356.761



40, 6.750, 329.704



38, 73.956, 335.742



5, 25.490, 333.518

Previews

White Background



This preview shows how the CIELCh color 76, 43.678, 146.286 looks on a white background.

Color Contrast Check

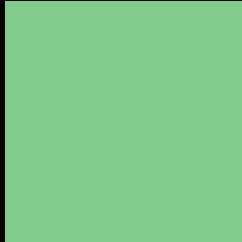
Large Text (above 18pt) WCAG AA × Fail

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, 43.678, 146.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

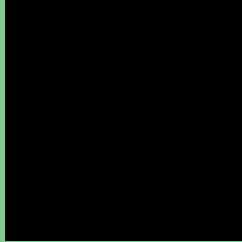
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 43.678, 146.286

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.678, 146.286.

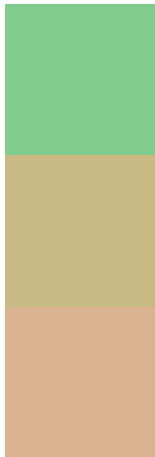


This preview shows how white text looks on a background with the CIELCh color 76, 43.678, 146.286.

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

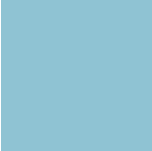
76, 43.678, 146.286

Protanopia

76, 28.951, 95.108

Deuteranopia

76, 23.671, 66.151



Tritanopia
76, 18.764, 225.838

Trichromacy



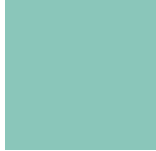
Original Color
76, 43.678, 146.286



Protanomaly
75, 31.091, 120.731



Deuteranomaly
75, 22.971, 109.980

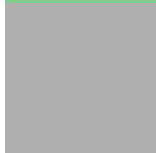


Tritanomaly
76, 21.841, 180.448

Monochromacy



Original Color
76, 43.678, 146.286



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 16.400, 148.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.678, 146.286 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, 204, 141)` looks like.

```
.text, #text, p{  
    color:rgb(129, 204, 141)  
}
```

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, 204, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 204, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.678, 146.286 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, 204, 141) }
```

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

```
.border{ border-color:rgb(129, 204, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 204, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 204, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 204, 141); box-shadow:4px 4px 4px 4px rgb(129, 204, 141) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.678, 146.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 204, 141) }
```

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

```
.background{ background-color: rgb(129,  
204, 141) }
```

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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