

Converting Colors

CIELCh(76, 48.650, 145.290)

Have a look what the booklet for
CIELCh(76, 48.650, 145.290)
contains.

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Color

CIELCh(76, 49.076, 145.066)

Conversions

Conversions Part 1

Format	Color
Hex	7BCE86
RGB	123, 206, 134
RGB Percent	48%, 81%, 53%
CMY	0.5189, 0.1934, 0.4757
CMYK	0.40, 0.00, 0.35, 0.19
HSL	128°, 46%, 64%
HSV	128°, 40%, 81%
XYZ	34.3989, 49.8872, 30.2610
YIQ	172.9750, -26.3560, -39.9880

Conversions

Conversions Part 2

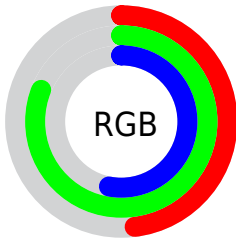
Format	Color
RYB	123, 196, 206
Decimal	8113798
CIELab	76.00, -40.23, 28.10
CIElCh	76, 49.076, 145.066
Yxy	49.8872, 0.3003, 0.4355
Android (android.graphics.Color)	4286303878 (0xFF7BCE86)
YUV	172.9750, -19.2147, -43.8281
Hunter-Lab	70.6309, -36.6705, 24.0395

Details

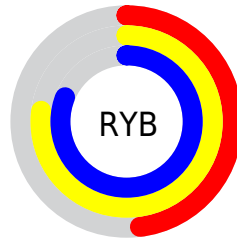
The CIELCh color $76, 49.076, 145.066$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $63, 49.054, 330.719$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 43.858, 145.641$, and $56, 48.900, 145.350$ is the 20% darker color. If you saturate the color by 10%, you get $75, 60.493, 143.926$, and if you desaturate by 10%, it is $77, 37.131, 146.060$.

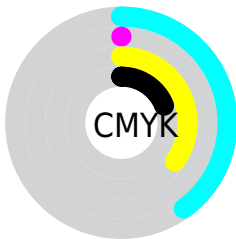
Distribution



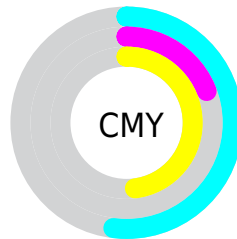
- Red (48%)
- Green (81%)
- Blue (53%)



- Red (48%)
- Yellow (77%)
- Blue (81%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (19%)





- Cyan (52%)
- Magenta (19%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 49.076, 145.066 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, 49.076, 145.066 by changing the saturation by 10% instead.

 76, 49.076,
145.066

 76, 49.076,
145.066

 100, 49.076,
145.066


 66, 49.076,
145.066


 96, 49.076,
145.066

 56, 49.076,
145.066

 46, 49.076,
145.066

 36, 49.076,
145.066

 26, 49.076,
145.066

 16, 49.076,
145.066

 6, 49.076, 145.066

■ 0, 49.076, 145.066

■ 76, 49.076,
145.066

■ 76, 49.076,
145.066

■ 75, 60.493,
143.926

■ 77, 37.131,
146.060

■ 74, 71.084,
142.643

■ 79, 24.909,
146.919

■ 73, 80.532,
141.244

■ 81, 12.617,
147.663

■ 73, 88.506,
139.791

■ 83, 0.417, 148.980

■ 72, 94.699,
138.387

■ 85, 11.575,
328.780

■ 72, 98.843,
137.258

■ 87, 23.278,
329.257

■ 88, 30.927,
325.501

Harmonies

Complementary

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



76, 49.076, 145.066



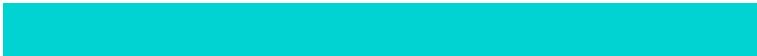
63, 49.054, 330.719

Rectangle

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



76, 49.076, 145.066



76, 49.076, 195.066



76, 49.076, 325.066



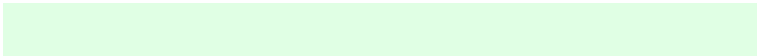
76, 49.076, 15.066

Sweetspot

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



76, 49.077, 145.066



97, 17.433, 147.536



80, 43.161, 111.592



52, 11.571, 147.441



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, 49.077, 145.066



91, 68.841, 144.136



77, 33.511, 166.283



42, 6.864, 147.730



59, 83.790, 137.456



12, 26.868, 145.205

Inverse Universe

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



63, 49.054, 330.719



72, 68.534, 331.225



61, 36.493, 355.050



40, 6.880, 328.814



38, 75.509, 334.277



5, 26.070, 332.344

Previews

White Background



This preview shows how the CIELCh color 76, 49.076, 145.066 looks on a white background.

Color Contrast Check

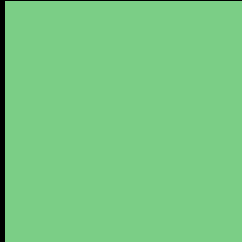
Large Text (above 18pt) WCAG AA × Fail

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, 49.076, 145.066 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, 49.076, 145.066

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.076, 145.066.

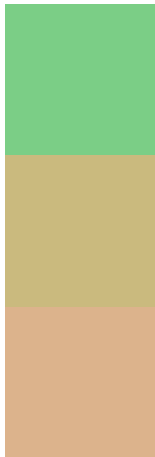


This preview shows how white text looks on a background with the CIELCh color 76, 49.076, 145.066.

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, 49.076, 145.066

Protanopia
76, 32.631, 95.300

Deuteranopia
76, 27.229, 69.588



Tritanopia
76, 20.047, 223.842

Trichromacy



Original Color
76, 49.076, 145.066



Protanomaly
75, 34.811, 120.394



Deuteranomaly
75, 27.193, 110.995



Tritanomaly
76, 24.757, 177.090

Monochromacy



Original Color
76, 49.076, 145.066



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 18.179, 147.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.076, 145.066 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(123, 206, 134)` looks like.

```
.text, #text, p{  
    color:rgb(123, 206, 134)  
}
```

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(123, 206, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 206, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.076, 145.066 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(123, 206, 134) }
```

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

```
.border{ border-color:rgb(123, 206, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 206, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 206, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 206, 134);  
box-shadow:4px 4px 4px 4px rgb(123, 206,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.076, 145.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 206, 134) }
```

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

```
.background{ background-color: rgb(123,  
206, 134) }
```

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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