

Converting Colors

CIELCh(76, 46.065, 145.505)

Have a look what the booklet for
CIELCh(76, 46.065, 145.505)
contains.

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Color

CIELCh(76, 45.967, 145.562)

Conversions

Conversions Part 1

Format	Color
Hex	7FCD8A
RGB	127, 205, 138
RGB Percent	50%, 80%, 54%
CMY	0.5028, 0.1969, 0.4596
CMYK	0.38, 0.00, 0.33, 0.20
HSL	128°, 44%, 65%
HSV	128°, 38%, 80%
XYZ	35.0758, 49.8872, 31.7507
YIQ	174.0400, -24.9810, -37.3730

Conversions

Conversions Part 2

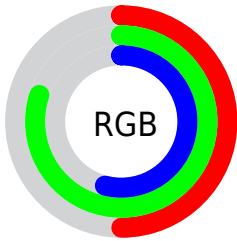
Format	Color
RYB	127, 195, 205
Decimal	8375690
CIELab	76.00, -37.91, 25.99
CIElCh	76, 45.967, 145.562
Yxy	49.8872, 0.3005, 0.4274
Android (android.graphics.Color)	4286565770 (0xFF7FCD8A)
YUV	174.0400, -17.7677, -41.2541
Hunter-Lab	70.6309, -34.9596, 22.7890

Details

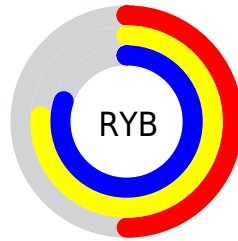
The CIELCh color $76, 45.967, 145.562$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $63, 45.993, 330.869$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 41.585, 146.316$, and $56, 46.054, 145.458$ is the 20% darker color. If you saturate the color by 10%, you get $75, 57.423, 144.451$, and if you desaturate by 10%, it is $77, 34.052, 146.527$.

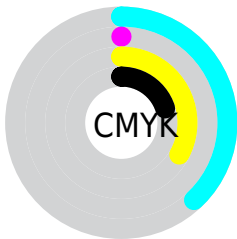
Distribution



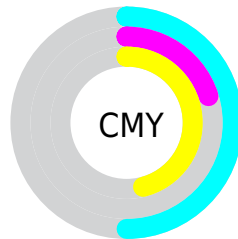
- Red (50%)
- Green (80%)
- Blue (54%)



- Red (50%)
- Yellow (76%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (33%)
- Black (20%)





- Cyan (50%)
- Magenta (20%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 45.967, 145.562 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, 45.967, 145.562 by changing the saturation by 10% instead.


 76, 45.967,
145.562


 76, 45.967,
145.562


 100, 45.967,
145.562


 66, 45.967,
145.562


 96, 45.967,
145.562

 56, 45.967,
145.562

 46, 45.967,
145.562

 36, 45.967,
145.562

 26, 45.967,
145.562

 16, 45.967,
145.562

 6, 45.967, 145.562

■ 0, 45.967, 145.562

■ 76, 45.967,
145.562

■ 76, 45.967,
145.562

■ 75, 57.423,
144.451

■ 77, 34.052,
146.527

■ 74, 68.138,
143.193

■ 79, 21.914,
147.361

■ 73, 77.806,
141.805

■ 81, 9.748, 148.088

■ 83, 2.299, 328.537

■ 73, 86.111,
140.337

■ 85, 14.120,
329.169

■ 72, 92.747,
138.879

■ 87, 25.642,
329.630

■ 72, 97.500,
137.579

■ 88, 31.484,

■ 72, 98.219,
137.386

325.520

Harmonies

Complementary

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



76, 45.967, 145.562



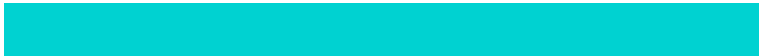
63, 45.993, 330.869

Rectangle

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



76, 45.967, 145.562



76, 45.967, 195.562



76, 45.967, 325.562



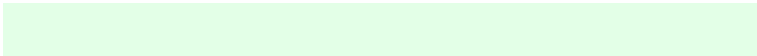
76, 45.967, 15.562

Sweetspot

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



76, 45.968, 145.562



97, 15.875, 147.874



80, 40.753, 112.499



52, 10.675, 147.776



0, 0.000, 0.000



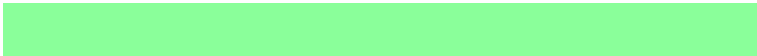
53, 0.007, 296.813

Same Dimension

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



76, 45.968, 145.562



91, 65.764, 144.627



77, 31.233, 167.613



42, 6.823, 147.997



59, 83.522, 137.589



12, 26.754, 145.361

Inverse Universe

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



63, 45.993, 330.869



73, 65.569, 331.400



62, 34.063, 355.828



40, 6.839, 329.086



38, 75.022, 334.722



5, 25.889, 332.700

Previews

White Background



This preview shows how the CIELCh color 76, 45.967, 145.562 looks on a white background.

Color Contrast Check

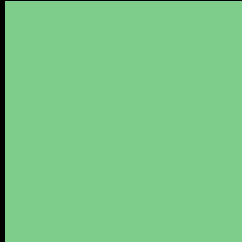
Large Text (above 18pt) WCAG AA × Fail

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, 45.967, 145.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

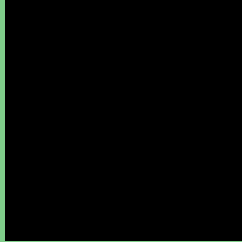
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 45.967, 145.562

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.967, 145.562.



This preview shows how white text looks on a background with the CIELCh color 76, 45.967, 145.562.

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, 45.967, 145.562

Protanopia
76, 30.492, 95.537

Deuteranopia
76, 25.223, 67.660



Tritanopia
76, 19.103, 223.431

Trichromacy



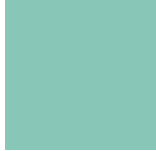
Original Color
76, 45.967, 145.562



Protanomaly
75, 32.704, 120.678



Deuteranomaly
75, 24.571, 110.641

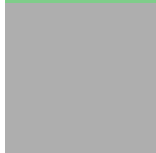


Tritanomaly
76, 23.390, 177.345

Monochromacy



Original Color
76, 45.967, 145.562



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 16.844, 147.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.967, 145.562 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(127, 205, 138)` looks like.

```
.text, #text, p{  
    color:rgb(127, 205, 138)  
}
```

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(127, 205, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 205, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.967, 145.562 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(127, 205, 138) }
```

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

```
.border{ border-color:rgb(127, 205, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 205, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 205, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 205, 138); box-shadow:4px 4px 4px 4px rgb(127, 205, 138) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.967, 145.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 205, 138) }
```

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

```
.background{ background-color: rgb(127,  
205, 138) }
```

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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