

Converting Colors

CIELCh(80, 76.953, 145.167)

Have a look what the booklet for
CIELCh(80, 76.953, 145.167)
contains.

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Color

CIELCh(80, 76.676, 145.293)

Conversions

Conversions Part 1

Format	Color
Hex	4AE170
RGB	74, 225, 112
RGB Percent	29%, 88%, 44%
CMY	0.7082, 0.1163, 0.5596
CMYK	0.67, 0.00, 0.50, 0.12
HSL	135°, 72%, 59%
HSV	135°, 67%, 88%
XYZ	32.8139, 56.6813, 24.6291
YIQ	166.9690, -53.7230, -67.1550

Conversions

Conversions Part 2

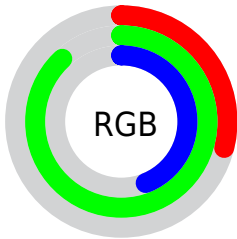
Format	Color
RYB	74, 195, 225
Decimal	4907376
CIELab	80.00, -63.03, 43.66
CIELCh	80, 76.676, 145.293
Yxy	56.6813, 0.2875, 0.4967
Android (android.graphics.Color)	4283097456 (0xFF4AE170)
YUV	166.9690, -27.0997, -81.5338
Hunter-Lab	75.2870, -53.9529, 33.3050

Details

The CIELCh color **80, 76.676, 145.293** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 75.114, 337.529**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 60.852, 147.644**, and **60, 73.687, 143.413** is the 20% darker color. If you saturate the color by 10%, you get **79, 85.421, 143.621**, and if you desaturate by 10%, it is **81, 66.784, 146.803**.

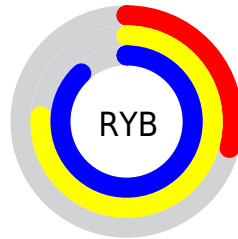
Distribution



Red (29%)

Green (88%)

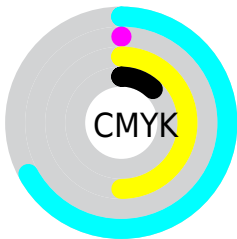
Blue (44%)



Red (29%)

Yellow (76%)

Blue (88%)

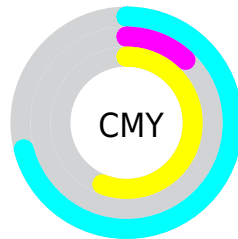


Cyan (67%)

Magenta (0%)

Yellow (50%)

Black (12%)



Cyan (71%)


Magenta (12%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 76.676, 145.293 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 80, 76.676, 145.293 by changing the saturation by 10% instead.


 80, 76.676,
145.293


 80, 76.676,
145.293


 100, 76.676,
145.293


 70, 76.676,
145.293

 60, 76.676,
145.293

 50, 76.676,
145.293

 40, 76.676,
145.293

 30, 76.676,
145.293

 20, 76.676,
145.293

 10, 76.676,

145.293

■ 0, 76.676, 145.293

■ 80, 76.676,
145.293

■ 80, 76.676,
145.293

■ 79, 85.421,
143.621

■ 81, 66.784,
146.803

■ 79, 92.824,
141.831

■ 82, 55.976,
148.137

■ 79, 98.760,
140.019

■ 83, 44.505,
149.299


■ 79, 100.310,
139.520


■ 85, 32.611,
150.306

■ 86, 20.512,
151.180

 88, 8.387, 151.956

 90, 3.622, 332.469

 93, 15.414,
333.115

 93, 18.550,
325.068

Harmonies

Complementary

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



80, 76.676, 145.293



57, 75.114, 337.529

Rectangle

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



80, 76.676, 145.293



80, 76.676, 195.293



80, 76.676, 325.293



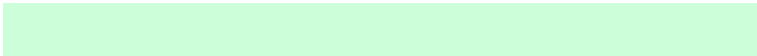
80, 76.676, 15.293

Sweetspot

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



80, 76.677, 145.293



96, 26.733, 150.916



85, 74.307, 116.226



51, 18.242, 150.671



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 76.677, 145.293



89, 96.872, 142.991



81, 48.886, 171.842



46, 6.816, 151.769



63, 82.766, 139.835



16, 30.911, 144.240

Inverse Universe

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



57, 75.114, 337.529



60, 91.377, 338.977



54, 62.096, 11.020



44, 6.843, 332.964



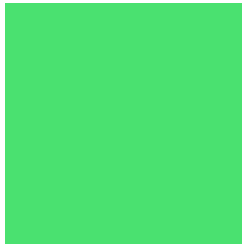
39, 72.253, 341.370



7, 30.327, 338.743

Previews

White Background



This preview shows how the CIELCh color 80, 76.676, 145.293 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 80, 76.676, 145.293 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 80, 76.676, 145.293

Background



This preview shows how black text looks on a background with the CIELCh color 80, 76.676, 145.293.

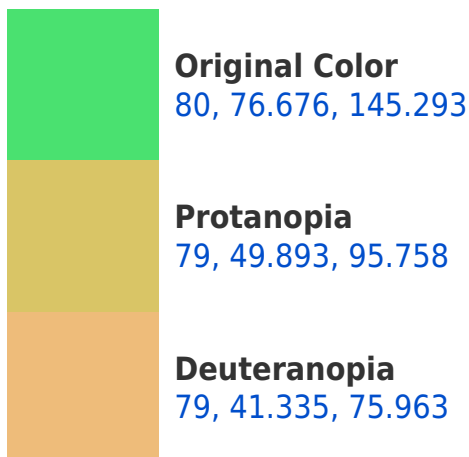


This preview shows how white text looks on a background with the CIELCh color 80, 76.676, 145.293.

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





Tritanopia
80, 30.498, 216.033

Trichromacy



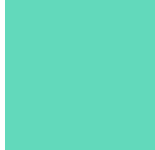
Original Color
80, 76.676, 145.293



Protanomaly
78, 54.584, 123.698



Deuteranomaly
78, 44.657, 118.329



Tritanomaly
80, 40.958, 173.449

Monochromacy



Original Color
80, 76.676, 145.293



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 30.431, 150.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 76.676, 145.293 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(74, 225, 112)` looks like.

```
.text, #text, p{  
    color:rgb(74, 225, 112)  
}
```

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(74, 225, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 225, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 76.676, 145.293 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(74, 225, 112) }
```

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

```
.border{ border-color:rgb(74, 225, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 225, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 225, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 225, 112);  
box-shadow:4px 4px 4px 4px rgb(74, 225,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 76.676, 145.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 225, 112) }
```

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

```
.background{ background-color: rgb(74, 225,  
112) }
```

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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