

Converting Colors

CIELCh(80, 76.754, 143.891)

Have a look what the booklet for
CIELCh(80, 76.754, 143.891)
contains.

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Color

CIELCh(80, 76.895, 143.921)

Conversions

Conversions Part 1

Format	Color
Hex	51E16D
RGB	81, 225, 109
RGB Percent	32%, 88%, 43%
CMY	0.6825, 0.1178, 0.5727
CMYK	0.64, 0.00, 0.52, 0.12
HSL	132°, 71%, 60%
HSV	132°, 64%, 88%
XYZ	33.0633, 56.6813, 23.6564
YIQ	168.7200, -48.5880, -66.6040

Conversions

Conversions Part 2

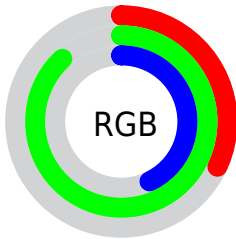
Format	Color
RYB	81, 202, 225
Decimal	5366125
CIELab	80.00, -62.15, 45.28
CIELCh	80, 76.895, 143.921
Yxy	56.6813, 0.2916, 0.4998
Android (android.graphics.Color)	4283556205 (0xFF51E16D)
YUV	168.7200, -29.4420, -76.9304
Hunter-Lab	75.2870, -53.3616, 34.0710

Details

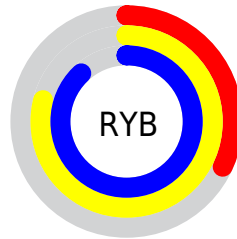
The CIELCh color **80, 76.895, 143.921** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **58, 75.425, 334.698**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 61.087, 145.845**, and **60, 75.098, 142.571** is the 20% darker color. If you saturate the color by 10%, you get **79, 86.263, 142.373**, and if you desaturate by 10%, it is **81, 66.326, 145.329**.

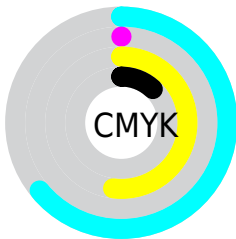
Distribution



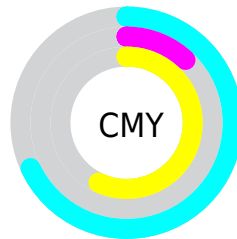
- Red (32%)
- Green (88%)
- Blue (43%)



- Red (32%)
- Yellow (79%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (52%)
- Black (12%)





- Cyan (68%)
- Magenta (12%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 76.895, 143.921 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, 76.895, 143.921 by changing the saturation by 10% instead.


 80, 76.895,
143.921


 80, 76.895,
143.921


 100, 76.895,
143.921


 70, 76.895,
143.921

 60, 76.895,
143.921

 50, 76.895,
143.921

 40, 76.895,
143.921

 30, 76.895,
143.921

 20, 76.895,
143.921

 10, 76.895,

143.921

■ 0, 76.895, 143.921

■ 80, 76.895,
143.921

■ 80, 76.895,
143.921

■ 79, 86.263,
142.373

■ 81, 66.326,
145.329

■ 79, 94.160,
140.737

■ 82, 54.841,
146.575

■ 79, 100.362,
139.112

■ 83, 42.726,
147.661


■ 78, 103.264,
138.241


■ 85, 30.241,
148.600

■ 87, 17.609,
149.413

 89, 5.008, 150.154

 91, 7.425, 330.640

 93, 18.338,
326.046

 93, 18.784,
325.077

Harmonies

Complementary

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



80, 76.895, 143.921



58, 75.425, 334.698

Rectangle

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



80, 76.895, 143.921



80, 76.895, 193.921



80, 76.895, 323.921



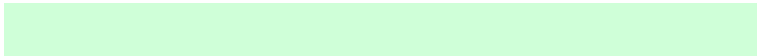
80, 76.895, 13.921

Sweetspot

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



80, 76.896, 143.921



96, 26.472, 149.011



85, 70.797, 113.237



51, 18.227, 148.772



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, 76.896, 143.921



89, 98.088, 141.803



81, 50.356, 167.268



46, 7.103, 149.752



63, 85.397, 138.508



16, 31.899, 143.004

Inverse Universe

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



58, 75.425, 334.698



61, 93.294, 335.788



55, 59.736, 4.884



44, 7.124, 330.895



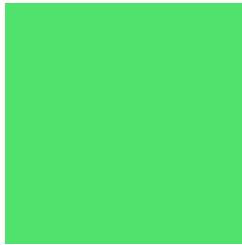
40, 75.263, 337.783



7, 31.495, 335.936

Previews

White Background



This preview shows how the CIELCh color 80, 76.895, 143.921 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, 76.895, 143.921 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, 76.895, 143.921

Background



This preview shows how black text looks on a background with the CIELCh color 80, 76.895, 143.921.

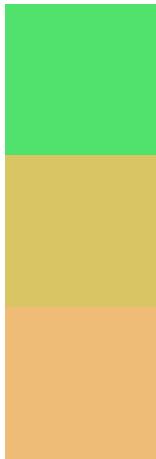


This preview shows how white text looks on a background with the CIELCh color 80, 76.895, 143.921.

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](#).

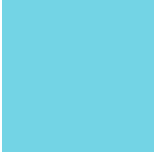
Dichromacy



Original Color
80, 76.895, 143.921

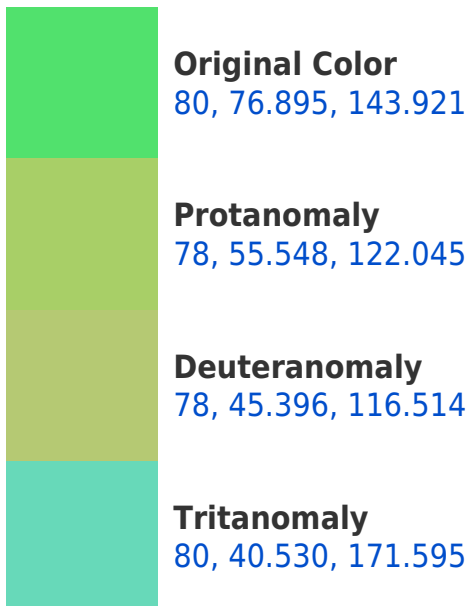
Protanopia
79, 51.300, 95.874

Deuteranopia
79, 43.161, 77.061

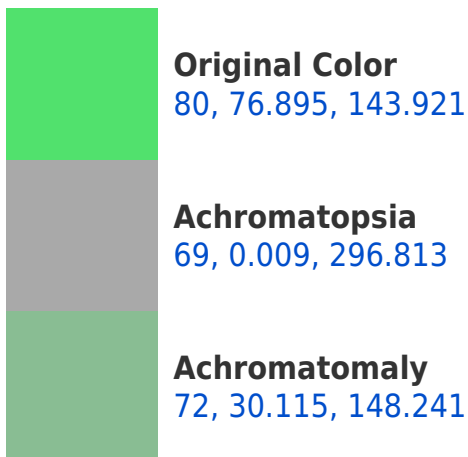


Tritanopia
80, 29.605, 215.550

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 76.895, 143.921 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(81, 225, 109)` looks like.

```
.text, #text, p{  
    color:rgb(81, 225, 109)  
}
```

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(81, 225, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 225, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 76.895, 143.921 is called "border". The border property can be set on classes, ids or directly on the HTML element.

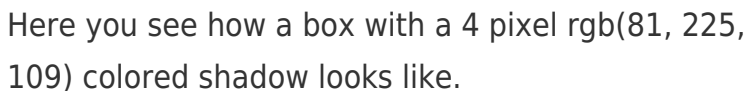
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(81, 225, 109) }
```

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

```
.border{ border-color:rgb(81, 225, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(81, 225, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 225, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 225, 109);  
box-shadow:4px 4px 4px 4px rgb(81, 225,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 76.895, 143.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 225, 109) }
```

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

```
.background{ background-color: rgb(81, 225,  
109) }
```

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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