

Converting Colors

CIELCh(80, 80.668, 143.411)

Have a look what the booklet for
CIELCh(80, 80.668, 143.411)
contains.

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Color

CIELCh(80, 80.709, 143.410)

Conversions

Conversions Part 1

Format	Color
Hex	49E267
RGB	73, 226, 103
RGB Percent	29%, 89%, 40%
CMY	0.7146, 0.1144, 0.5967
CMYK	0.68, 0.00, 0.54, 0.11
HSL	132°, 72%, 59%
HSV	132°, 68%, 89%
XYZ	32.3197, 56.6813, 22.0273
YIQ	166.2310, -51.7050, -70.6890

Conversions

Conversions Part 2

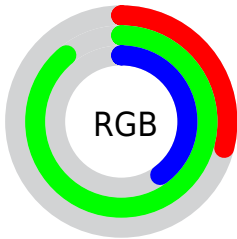
Format	Color
RYB	73, 201, 226
Decimal	4842087
CIELab	80.00, -64.80, 48.11
CIELCh	80, 80.709, 143.410
Yxy	56.6813, 0.2911, 0.5105
Android (android.graphics.Color)	4283032167 (0xFF49E267)
YUV	166.2310, -31.1729, -81.7636
Hunter-Lab	75.2870, -55.1245, 35.3539

Details

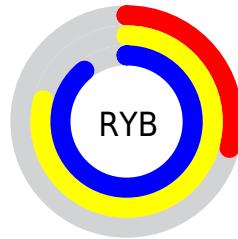
The CIELCh color **80, 80.709, 143.410** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 78.624, 335.076**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.429, 145.116**, and **60, 77.576, 141.340** is the 20% darker color. If you saturate the color by 10%, you get **79, 89.574, 141.817**, and if you desaturate by 10%, it is **81, 70.539, 144.878**.

Distribution



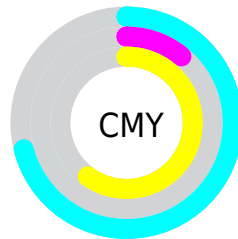
- Red (29%)
- Green (89%)
- Blue (40%)



- Red (29%)
- Yellow (79%)
- Blue (89%)



- Cyan (68%)
- Magenta (0%)
- Yellow (54%)
- Black (11%)





- Cyan (71%)
- Magenta (11%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 80.709, 143.410 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, 80.709, 143.410 by changing the saturation by 10% instead.


 80, 80.709,
143.410


 80, 80.709,
143.410


 100, 80.709,
143.410


 70, 80.709,
143.410

 60, 80.709,
143.410

 50, 80.709,
143.410

 40, 80.709,
143.410

 30, 80.709,
143.410

 20, 80.709,
143.410

 10, 80.709,

143.410

■ 0, 80.709, 143.410

■ 80, 80.709,
143.410

■ 80, 80.709,
143.410

■ 79, 89.574,
141.817

■ 81, 70.539,
144.878

■ 79, 96.878,
140.165

■ 82, 59.346,
146.187

■ 79, 102.444,
138.579

■ 83, 47.416,
147.334


■ 79, 103.475,
138.276


■ 85, 35.021,
148.327

■ 86, 22.400,
149.185

 88, 9.748, 149.939

 90, 2.783, 330.416

 93, 15.083,
331.063

 93, 18.242,
325.058

Harmonies

Complementary

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



80, 80.709, 143.410



57, 78.624, 335.076

Rectangle

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



80, 80.709, 143.410



80, 80.709, 193.410



80, 80.709, 323.410



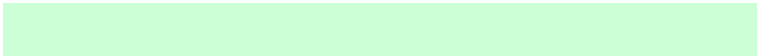
80, 80.709, 13.410

Sweetspot

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



80, 80.710, 143.410



96, 27.832, 148.994



85, 74.275, 113.116



50, 18.994, 148.755



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, 80.710, 143.410



88, 101.423, 141.195



81, 52.672, 166.648



46, 7.093, 149.818



63, 85.315, 138.548



16, 31.866, 143.043

Inverse Universe

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



57, 78.624, 335.076



60, 95.264, 336.235



54, 62.861, 6.003



44, 7.115, 330.963



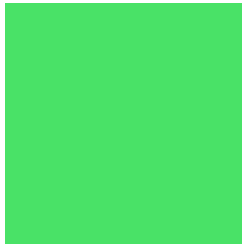
40, 75.156, 337.899



7, 31.454, 336.026

Previews

White Background



This preview shows how the CIELCh color 80, 80.709, 143.410 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, 80.709, 143.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

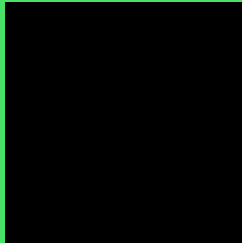
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 80.709, 143.410

Background



This preview shows how black text looks on a background with the CIELCh color 80, 80.709, 143.410.

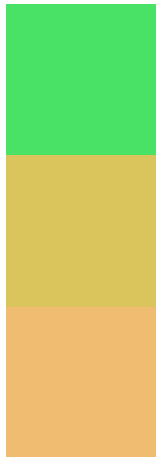


This preview shows how white text looks on a background with the CIELCh color 80, 80.709, 143.410.

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, 80.709, 143.410

Protanopia
79, 54.147, 95.615

Deuteranopia
79, 45.674, 77.817



Tritanopia
80, 30.498, 216.033

Trichromacy



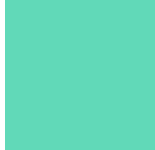
Original Color
80, 80.709, 143.410



Protanomaly
78, 58.576, 122.203



Deuteranomaly
78, 48.955, 116.961

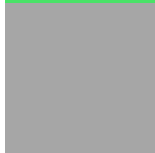


Tritanomaly
79, 42.048, 171.637

Monochromacy



Original Color
80, 80.709, 143.410



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 32.349, 148.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 80.709, 143.410 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(73, 226, 103)` looks like.

```
.text, #text, p{  
    color:rgb(73, 226, 103)  
}
```

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(73, 226, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 226, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 80.709, 143.410 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(73, 226, 103) }
```

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

```
.border{ border-color:rgb(73, 226, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 226, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 226, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 226, 103);  
box-shadow:4px 4px 4px 4px rgb(73, 226,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 80.709, 143.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 226, 103) }
```

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

```
.background{ background-color: rgb(73, 226,  
103) }
```

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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