

Converting Colors

CIELCh(81, 54.702, 166.101)

Have a look what the booklet for
CIELCh(81, 54.702, 166.101)
contains.

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Color

CIELCh(81, 54.715, 166.111)

Conversions

Conversions Part 1

Format	Color
Hex	40E2AF
RGB	64, 226, 175
RGB Percent	25%, 89%, 69%
CMY	0.7499, 0.1144, 0.3143
CMYK	0.72, 0.00, 0.23, 0.11
HSL	161°, 74%, 57%
HSV	161°, 72%, 89%
XYZ	36.9713, 58.4711, 49.8129
YIQ	171.7480, -80.1810, -50.2050

Conversions

Conversions Part 2

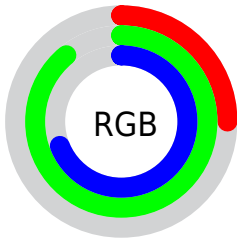
Format	Color
RYB	64, 160, 226
Decimal	4252335
CIELab	81.00, -53.12, 13.13
CIELCh	81, 54.715, 166.111
Yxy	58.4711, 0.2545, 0.4025
Android (android.graphics.Color)	4282442415 (0xFF40E2AF)
YUV	171.7480, 1.6032, -94.4950
Hunter-Lab	76.4664, -47.5119, 14.9029

Details

The CIELCh color **81, 54.715, 166.111** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **53, 65.766, 7.465**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.174, 178.824**, and **62, 50.870, 163.431** is the 20% darker color. If you saturate the color by 10%, you get **81, 59.455, 164.257**, and if you desaturate by 10%, it is **82, 49.063, 167.766**.

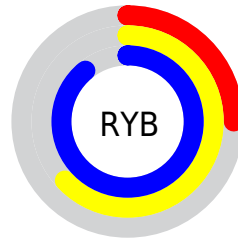
Distribution



Red (25%)

Green (89%)

Blue (69%)



Red (25%)

Yellow (63%)

Blue (89%)

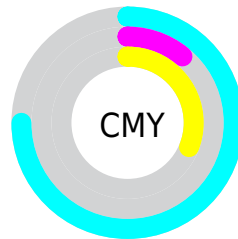


Cyan (72%)

Magenta (0%)

Yellow (23%)

Black (11%)



Cyan (75%)


Magenta (11%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 54.715, 166.111 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 81, 54.715, 166.111 by changing the saturation by 10% instead.


 81, 54.715,
166.111


 81, 54.715,
166.111


 100, 54.715,
166.111


 71, 54.715,
166.111

 61, 54.715,
166.111

 51, 54.715,
166.111

 41, 54.715,
166.111

 31, 54.715,
166.111

 21, 54.715,
166.111

 11, 54.715,

166.111

■ 1, 54.715, 166.111

■ 0, 54.715, 166.111

■ 81, 54.715,
166.111

■ 81, 54.715,
166.111

■ 81, 59.455,
164.257

■ 82, 49.063,
167.766

■ 80, 63.308,
162.199

■ 82, 42.550,
169.246


■ 80, 65.972,
160.401

■ 84, 35.285,
170.575

■ 85, 27.407,
171.777


■ 86, 19.065,

172.879

 88, 10.407,
173.908

 89, 1.564, 175.125

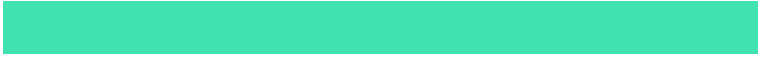
 91, 7.355, 355.598

 92, 12.415,
347.751

Harmonies

Complementary

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



81, 54.715, 166.111



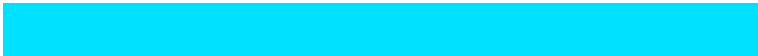
53, 65.766, 7.465

Rectangle

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



81, 54.715, 166.111



81, 54.715, 216.111



81, 54.715, 346.111



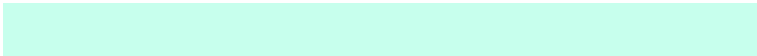
81, 54.715, 36.111

Sweetspot

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



81, 54.715, 166.110



96, 21.259, 172.838



81, 88.144, 131.882



51, 14.232, 172.545



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 54.715, 166.110



90, 67.322, 163.291



74, 36.090, 224.079



46, 5.006, 174.143



64, 54.392, 160.798



17, 20.946, 164.972

Inverse Universe

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



53, 65.766, 7.465



56, 81.578, 13.511



57, 65.565, 40.505



44, 5.138, 355.792



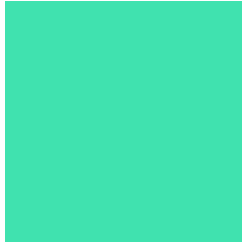
37, 65.869, 19.556



6, 25.388, 6.898

Previews

White Background



This preview shows how the CIELCh color 81, 54.715, 166.111 looks on a white background.

Color Contrast Check

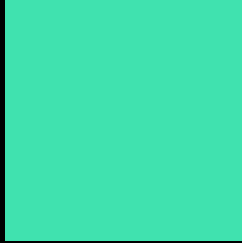
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 81, 54.715, 166.111 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

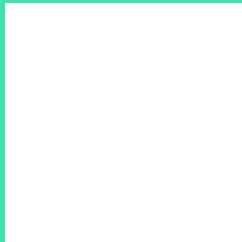
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 54.715, 166.111

Background



This preview shows how black text looks on a background with the CIELCh color 81, 54.715, 166.111.

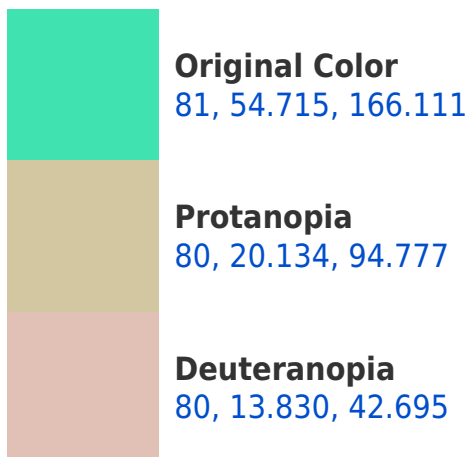


This preview shows how white text looks on a background with the CIELCh color 81, 54.715, 166.111.

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
81, 35.204, 212.228

Trichromacy



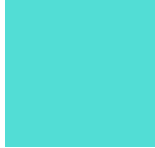
Original Color
81, 54.715, 166.111



Protanomaly
79, 29.561, 148.460



Deuteranomaly
79, 19.398, 154.620

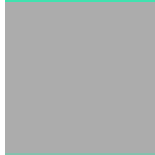


Tritanomaly
81, 39.526, 190.460

Monochromacy



Original Color
81, 54.715, 166.111



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 23.419, 171.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 54.715, 166.111 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(64, 226, 175)` looks like.

```
.text, #text, p{  
    color:rgb(64, 226, 175)  
}
```

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(64, 226, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 226, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 54.715, 166.111 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(64, 226, 175) }
```

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

```
.border{ border-color:rgb(64, 226, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 226, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 226, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 226, 175);  
box-shadow:4px 4px 4px 4px rgb(64, 226,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 54.715, 166.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 226, 175) }
```

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

```
.background{ background-color: rgb(64, 226,  
175) }
```

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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