

Converting Colors

CIELCh(81, 47.387, 173.697)

Have a look what the booklet for
CIELCh(81, 47.387, 173.697)
contains.

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Color

CIELCh(81, 47.444, 173.707)

Conversions

Conversions Part 1

Format	Color
Hex	4BE0BE
RGB	75, 224, 190
RGB Percent	29%, 88%, 75%
CMY	0.7063, 0.1219, 0.2552
CMYK	0.67, 0.00, 0.15, 0.12
HSL	166°, 71%, 59%
HSV	166°, 67%, 88%
XYZ	38.8113, 58.4711, 57.9087
YIQ	175.5730, -77.8900, -42.1620

Conversions

Conversions Part 2

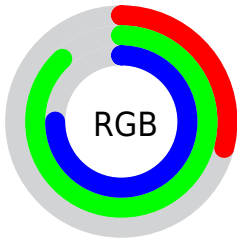
Format	Color
RYB	75, 159, 224
Decimal	4972734
CIELab	81.00, -47.16, 5.20
CIELCh	81, 47.444, 173.707
Yxy	58.4711, 0.2501, 0.3768
Android (android.graphics.Color)	4283162814 (0xFF4BE0BE)
YUV	175.5730, 7.1125, -88.2025
Hunter-Lab	76.4664, -43.2167, 8.6256

Details

The CIELCh color **81, 47.444, 173.707** 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 **54, 61.543, 12.599**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.361, 189.606**, and **61, 44.527, 172.578** is the 20% darker color. If you saturate the color by 10%, you get **80, 51.809, 172.146**, and if you desaturate by 10%, it is **82, 42.159, 175.109**.

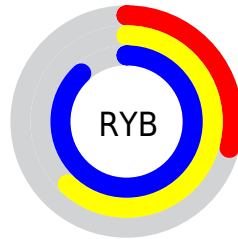
Distribution



Red (29%)

Green (88%)

Blue (75%)



Red (29%)

Yellow (62%)

Blue (88%)

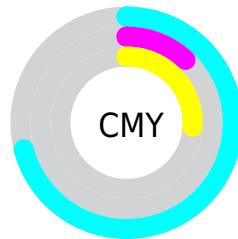


Cyan (67%)

Magenta (0%)

Yellow (15%)

Black (12%)



Cyan (71%)


Magenta (12%)


Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 47.444, 173.707 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, 47.444, 173.707 by changing the saturation by 10% instead.


 81, 47.444,
173.707


 81, 47.444,
173.707


 100, 47.444,
173.707


 71, 47.444,
173.707

 61, 47.444,
173.707

 51, 47.444,
173.707

 41, 47.444,
173.707

 31, 47.444,
173.707

 21, 47.444,
173.707

 11, 47.444,

173.707

■ 1, 47.444, 173.707

■ 0, 47.444, 173.707

■ 81, 47.444,
173.707

■ 81, 47.444,
173.707

■ 80, 51.809,
172.146

■ 82, 42.159,
175.109

■ 80, 55.247,
170.410

■ 83, 36.024,
176.380

■ 80, 57.841,
168.493

■ 84, 29.152,
177.544

■ 80, 58.636,
167.822

■ 85, 21.682,
178.622

■ 86, 13.756,

179.636

■ 88, 5.511, 180.636

■ 90, 2.932, 1.244

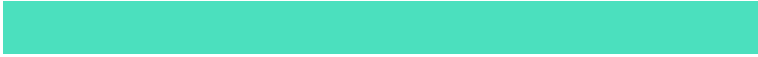
■ 92, 11.471, 2.234

■ 92, 12.782,
351.428

Harmonies

Complementary

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



81, 47.444, 173.707



54, 61.543, 12.599

Rectangle

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



81, 47.444, 173.707



81, 47.444, 223.707



81, 47.444, 353.707



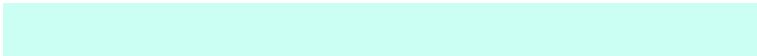
81, 47.444, 43.707

Sweetspot

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



81, 47.444, 173.706



96, 18.366, 179.277



80, 84.497, 134.088



51, 12.468, 178.990



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, 47.444, 173.706



90, 58.804, 171.469



70, 34.664, 236.989



46, 4.771, 180.339



64, 48.743, 168.166



17, 19.098, 171.833

Inverse Universe

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



54, 61.543, 12.599



57, 79.598, 18.030



60, 56.902, 46.103



44, 4.938, 1.962



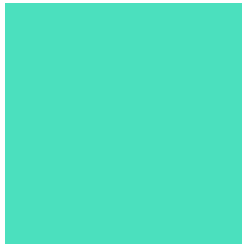
37, 68.982, 27.046



6, 25.285, 11.249

Previews

White Background



This preview shows how the CIE LCh color 81, 47.444, 173.707 looks on a white background.

Color Contrast Check

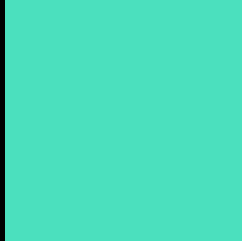
Large Text (above 18pt) WCAG AA × Fail

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, 47.444, 173.707 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

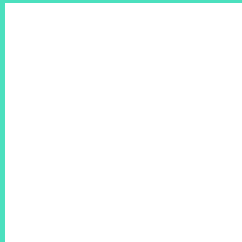
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 47.444, 173.707

Background



This preview shows how black text looks on a background with the CIELCh color 81, 47.444, 173.707.

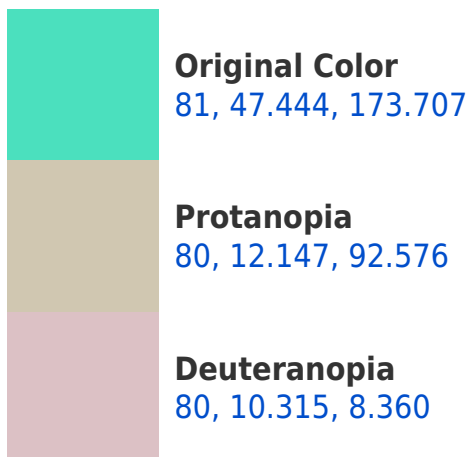


This preview shows how white text looks on a background with the CIELCh color 81, 47.444, 173.707.

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, 34.697, 212.483

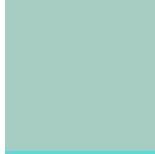
Trichromacy



Original Color
81, 47.444, 173.707



Protanomaly
80, 22.327, 159.483



Deuteranomaly
79, 14.289, 176.380

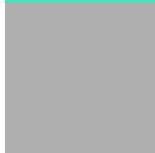


Tritanomaly
81, 37.272, 196.043

Monochromacy



Original Color
81, 47.444, 173.707



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 20.360, 177.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 47.444, 173.707 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(75, 224, 190)` looks like.

```
.text, #text, p{  
    color:rgb(75, 224, 190)  
}
```

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(75, 224, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 224, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 47.444, 173.707 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(75, 224, 190) }
```

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

```
.border{ border-color:rgb(75, 224, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 224, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 224, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 224, 190);  
box-shadow:4px 4px 4px 4px rgb(75, 224,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 47.444, 173.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 224, 190) }
```

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

```
.background{ background-color: rgb(75, 224,  
190) }
```

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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