

Converting Colors

CIELCh(80, 46.627, 173.368)

Have a look what the booklet for
CIELCh(80, 46.627, 173.368)
contains.

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Color

CIELCh(80, 46.773, 173.326)

Conversions

Conversions Part 1

Format	Color
Hex	4CDDBB
RGB	76, 221, 187
RGB Percent	30%, 87%, 73%
CMY	0.7032, 0.1343, 0.2676
CMYK	0.66, 0.00, 0.15, 0.13
HSL	166°, 68%, 58%
HSV	166°, 66%, 87%
XYZ	37.6897, 56.6813, 55.8331
YIQ	173.7690, -75.5060, -41.3140

Conversions

Conversions Part 2

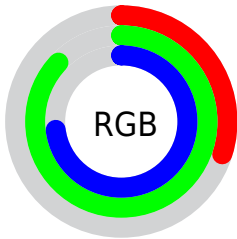
Format	Color
RYB	76, 158, 221
Decimal	5037499
CIELab	80.00, -46.46, 5.44
CIELCh	80, 46.773, 173.326
Yxy	56.6813, 0.2509, 0.3774
Android (android.graphics.Color)	4283227579 (0xFF4CDDBB)
YUV	173.7690, 6.5229, -85.7434
Hunter-Lab	75.2870, -42.3927, 8.7312

Details

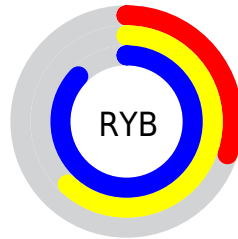
The CIELCh color **80, 46.773, 173.326** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 60.109, 11.823**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.856, 187.156**, and **60, 44.109, 172.255** is the 20% darker color. If you saturate the color by 10%, you get **79, 51.227, 171.764**, and if you desaturate by 10%, it is **81, 41.417, 174.729**.

Distribution



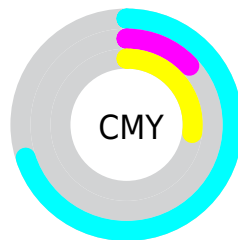
- Red (30%)
- Green (87%)
- Blue (73%)



- Red (30%)
- Yellow (62%)
- Blue (87%)



- Cyan (66%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)





- Cyan (70%)
- Magenta (13%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 46.773, 173.326 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, 46.773, 173.326 by changing the saturation by 10% instead.


 80, 46.773,
173.326


 80, 46.773,
173.326


 100, 46.773,
173.326


 70, 46.773,
173.326

 60, 46.773,
173.326

 50, 46.773,
173.326

 40, 46.773,
173.326

 30, 46.773,
173.326

 20, 46.773,
173.326

 10, 46.773,

173.326

■ 0, 46.773, 173.326

■ 80, 46.773,
173.326

■ 80, 46.773,
173.326

■ 79, 51.227,
171.764

■ 81, 41.417,
174.729

■ 79, 54.765,
170.026

■ 82, 35.233,
176.001

■ 79, 57.456,
168.102

■ 83, 28.338,
177.164

■ 79, 58.463,
167.258

■ 84, 20.868,
178.242

■ 85, 12.967,
179.256

■ 87, 4.766, 180.267

■ 89, 3.615, 0.896

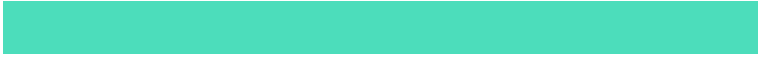
■ 91, 12.078, 1.850

■ 91, 13.965,
352.750

Harmonies

Complementary

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



80, 46.773, 173.326



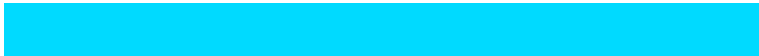
54, 60.109, 11.823

Rectangle

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



80, 46.773, 173.326



80, 46.773, 223.326



80, 46.773, 353.326



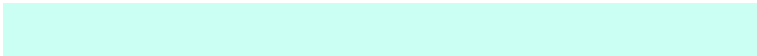
80, 46.773, 43.326

Sweetspot

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



80, 46.773, 173.325



96, 18.431, 178.811



79, 82.305, 133.731



51, 12.513, 178.523



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, 46.773, 173.325



90, 58.792, 171.103



70, 33.828, 233.947



45, 4.696, 179.880



63, 48.585, 167.612



16, 18.537, 171.549

Inverse Universe

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



54, 60.109, 11.823



57, 78.706, 17.077



59, 55.825, 44.759



43, 4.858, 1.502



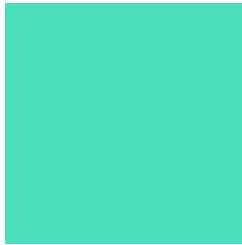
36, 67.948, 26.479



5, 23.777, 10.131

Previews

White Background



This preview shows how the CIELCh color 80, 46.773, 173.326 looks on a white background.

Color Contrast Check

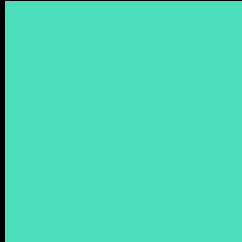
Large Text (above 18pt) WCAG AA × Fail

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, 46.773, 173.326 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

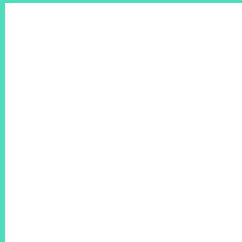
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 46.773, 173.326

Background



This preview shows how black text looks on a background with the CIELCh color 80, 46.773, 173.326.

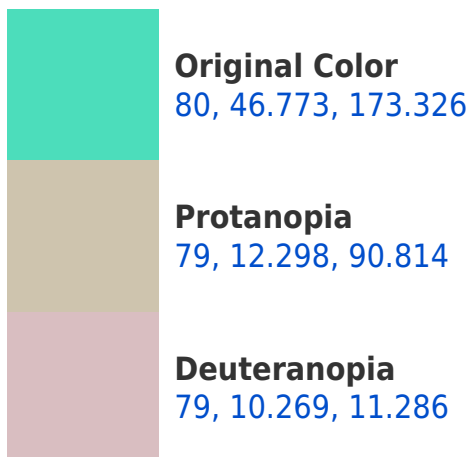


This preview shows how white text looks on a background with the CIELCh color 80, 46.773, 173.326.

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



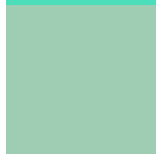


Tritanopia
80, 33.931, 213.877

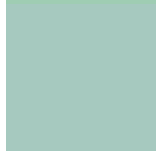
Trichromacy



Original Color
80, 46.773, 173.326



Protanomaly
79, 21.852, 158.406



Deuteranomaly
78, 13.695, 175.354



Tritanomaly
80, 36.338, 196.903

Monochromacy



Original Color
80, 46.773, 173.326



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 19.854, 178.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 46.773, 173.326 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(76, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(76, 221, 187)  
}
```

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(76, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 221, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 46.773, 173.326 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(76, 221, 187) }
```

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

```
.border{ border-color:rgb(76, 221, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 221, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 221, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 221, 187);  
box-shadow:4px 4px 4px 4px rgb(76, 221,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 46.773, 173.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 221, 187) }
```

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

```
.background{ background-color: rgb(76, 221,  
187) }
```

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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