

Converting Colors

CIELCh(80, 49.122, 169.809)

Have a look what the booklet for
CIELCh(80, 49.122, 169.809)
contains.

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Color

CIELCh(80, 48.780, 170.108)

Conversions

Conversions Part 1

Format	Color
Hex	4BDDDB5
RGB	75, 221, 181
RGB Percent	29%, 87%, 71%
CMY	0.7048, 0.1325, 0.2894
CMYK	0.66, 0.00, 0.18, 0.13
HSL	164°, 68%, 58%
HSV	164°, 66%, 87%
XYZ	37.1997, 56.6813, 52.8089
YIQ	172.7860, -74.1760, -43.3920

Conversions

Conversions Part 2

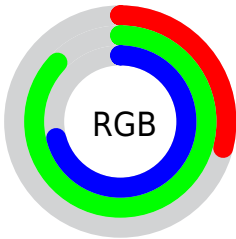
Format	Color
RYB	75, 160, 221
Decimal	4971957
CIELab	80.00, -48.05, 8.38
CIELCh	80, 48.780, 170.108
Yxy	56.6813, 0.2536, 0.3864
Android (android.graphics.Color)	4283162037 (0xFF4BDDDB5)
YUV	172.7860, 4.0495, -85.7583
Hunter-Lab	75.2870, -43.5543, 11.1128

Details

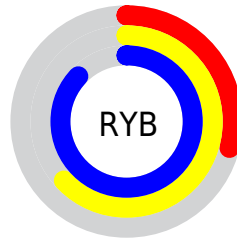
The CIELCh color **80, 48.780, 170.108** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 60.337, 8.770**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.243, 182.542**, and **60, 46.186, 168.641** is the 20% darker color. If you saturate the color by 10%, you get **79, 53.587, 168.445**, and if you desaturate by 10%, it is **81, 43.085, 171.596**.

Distribution



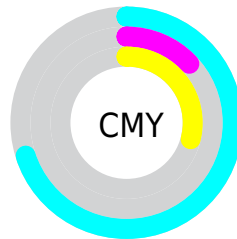
- Red (29%)
- Green (87%)
- Blue (71%)



- Red (29%)
- Yellow (63%)
- Blue (87%)



- Cyan (66%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)





- Cyan (70%)
- Magenta (13%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 48.780, 170.108 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, 48.780, 170.108 by changing the saturation by 10% instead.


 80, 48.780,
170.108


 80, 48.780,
170.108


 100, 48.780,
170.108


 70, 48.780,
170.108

 60, 48.780,
170.108

 50, 48.780,
170.108

 40, 48.780,
170.108

 30, 48.780,
170.108

 20, 48.780,
170.108

 10, 48.780,

170.108

■ 0, 48.780, 170.108

■ 80, 48.780,
170.108

■ 80, 48.780,
170.108

■ 79, 53.587,
168.445

■ 81, 43.085,
171.596

■ 79, 57.489,
166.590

■ 82, 36.580,
172.937

■ 79, 60.553,
164.542

■ 83, 29.388,
174.154

■ 79, 61.658,
163.703

■ 84, 21.649,
175.271

■ 85, 13.507,
176.312

■ 87, 5.097, 177.333

■ 89, 3.463, 357.979

■ 91, 12.076,
358.939

■ 91, 14.298,
348.697

Harmonies

Complementary

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



80, 48.780, 170.108



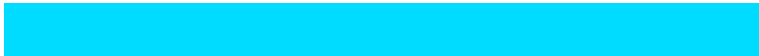
54, 60.337, 8.770

Rectangle

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



80, 48.780, 170.108



80, 48.780, 220.108



80, 48.780, 350.108



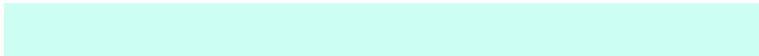
80, 48.780, 40.108

Sweetspot

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



80, 48.780, 170.107



96, 18.876, 175.883



80, 81.941, 132.890



51, 12.825, 175.588



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, 48.780, 170.107



90, 61.362, 167.790



72, 33.839, 228.426



45, 4.798, 176.972



63, 51.115, 164.081



16, 19.331, 168.300

Inverse Universe

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



54, 60.337, 8.770



57, 77.972, 13.779



58, 57.180, 42.234



43, 4.943, 358.615



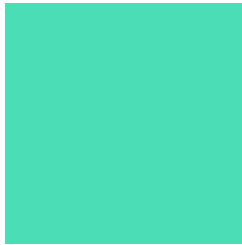
36, 66.422, 23.114



5, 23.840, 8.255

Previews

White Background



This preview shows how the CIELCh color 80, 48.780, 170.108 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 80, 48.780, 170.108 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

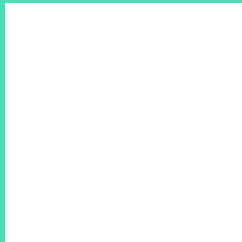
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 48.780, 170.108

Background



This preview shows how black text looks on a background with the CIELCh color 80, 48.780, 170.108.



This preview shows how white text looks on a background with the CIELCh color 80, 48.780, 170.108.

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, 48.780, 170.108

Protanopia
79, 15.469, 92.696

Deuteranopia
79, 11.069, 25.713



Tritanopia
80, 33.756, 213.975

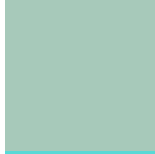
Trichromacy



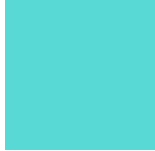
Original Color
80, 48.780, 170.108



Protanomaly
78, 24.143, 152.749



Deuteranomaly
78, 14.794, 165.455

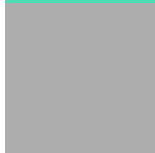


Tritanomaly
80, 36.924, 194.347

Monochromacy



Original Color
80, 48.780, 170.108



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 20.888, 174.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 48.780, 170.108 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, 221, 181)` looks like.

```
.text, #text, p{  
    color:rgb(75, 221, 181)  
}
```

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, 221, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 221, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 48.780, 170.108 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, 221, 181) }
```

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

```
.border{ border-color:rgb(75, 221, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 221, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 221, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 221, 181);  
box-shadow:4px 4px 4px 4px rgb(75, 221,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 48.780, 170.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 221, 181) }
```

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

```
.background{ background-color: rgb(75, 221,  
181) }
```

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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