

Converting Colors

CIELCh(80, 13.512, 180.001)

Have a look what the booklet for
CIELCh(80, 13.512, 180.001)
contains.

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Color

CIELCh(80, 13.512, 180.001)

Conversions

Conversions Part 1

Format	Color
Hex	AACEC6
RGB	170, 206, 198
RGB Percent	67%, 81%, 78%
CMY	0.3338, 0.1927, 0.2240
CMYK	0.17, 0.00, 0.04, 0.19
HSL	167°, 27%, 74%
HSV	167°, 17%, 81%
XYZ	48.7667, 56.6813, 61.7166
YIQ	194.3240, -18.8880, -10.1200

Conversions

Conversions Part 2

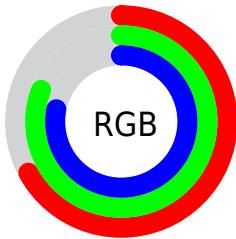
Format	Color
RYB	170, 190, 206
Decimal	11194054
CIELab	80.00, -13.51, -0.00
CIELCh	80, 13.512, 180.001
Yxy	56.6813, 0.2917, 0.3391
Android (android.graphics.Color)	4289384134 (0xFFAACEC6)
YUV	194.3240, 1.8123, -21.3321
Hunter-Lab	75.2870, -16.1298, 4.0979

Details

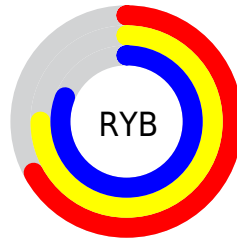
The CIELCh color **80, 13.512, 180.001** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 14.424, 3.290**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.843, 198.851**, and **60, 13.830, 179.016** is the 20% darker color. If you saturate the color by 10%, you get **79, 20.855, 178.989**, and if you desaturate by 10%, it is **81, 5.860, 180.983**.

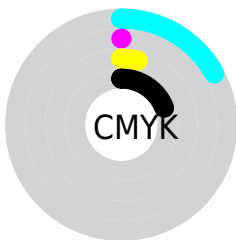
Distribution



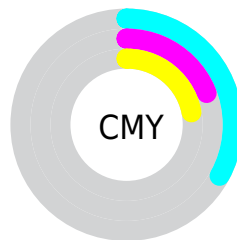
- Red (67%)
- Green (81%)
- Blue (78%)



- Red (67%)
- Yellow (75%)
- Blue (81%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)





- Cyan (33%)
- Magenta (19%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 13.512, 180.001 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, 13.512, 180.001 by changing the saturation by 10% instead.


 80, 13.512,
180.001


 80, 13.512,
180.001


 100, 13.512,
180.001


 70, 13.512,
180.001


 60, 13.512,
180.001

 50, 13.512,
180.001

 40, 13.512,
180.001

 30, 13.512,
180.001

 20, 13.512,
180.001

 10, 13.512,

180.001

■ 0, 13.512, 180.001

■ 80, 13.512,
180.001

■ 80, 13.512,
180.001

■ 79, 20.855,
178.989

■ 81, 5.860, 180.983

■ 78, 27.758,
177.918

■ 83, 1.991, 1.526

■ 85, 9.944, 2.583

■ 77, 34.090,
176.764

■ 87, 17.922, 3.421

■ 76, 39.726,
175.503

■ 87, 19.597,
357.721

■ 75, 44.563,
174.114

■ 87, 20.537,
351.522

■ 75, 48.540,
172.571

■ 88, 21.707,
345.949

■ 74, 51.655,
170.854

■ 88, 23.072,
341.014

■ 74, 54.008,
168.968

■ 88, 24.599,
336.685

■ 74, 54.551,
168.494

Harmonies

Complementary

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



80, 13.512, 180.001



73, 14.424, 3.290

Rectangle

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



80, 13.512, 180.001



80, 13.512, 230.001



80, 13.512, 0.001



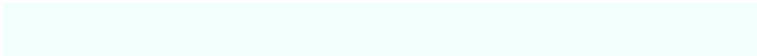
80, 13.512, 50.001

Sweetspot

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



80, 13.513, 179.996



99, 4.667, 181.244



80, 21.788, 136.989



53, 3.182, 181.164



0, 0.000, 0.000



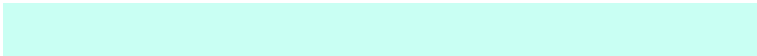
53, 0.007, 296.813

Same Dimension

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



80, 13.513, 179.996



96, 19.187, 179.622



78, 10.381, 228.679



42, 4.399, 180.791



61, 46.230, 168.821



13, 16.242, 173.456

Inverse Universe

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



73, 14.424, 3.290



86, 20.789, 3.746



75, 11.531, 46.574



40, 4.554, 2.386



34, 66.098, 27.235



4, 18.278, 8.597

Previews

White Background



This preview shows how the CIELCh color 80, 13.512, 180.001 looks on a white background.

Color Contrast Check

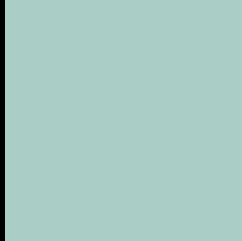
Large Text (above 18pt) WCAG AA × Fail

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, 13.512, 180.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

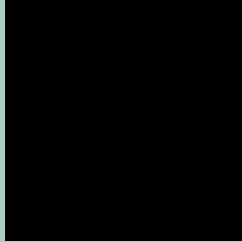
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

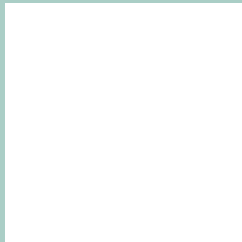
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 13.512, 180.001

Background



This preview shows how black text looks on a background with the CIELCh color 80, 13.512, 180.001.



This preview shows how white text looks on a background with the CIELCh color 80, 13.512, 180.001.

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, 13.512, 180.001

Protanopia
80, 3.061, 63.252

Deuteranopia
80, 10.104, 351.968



Tritanopia
80, 12.815, 240.754

Trichromacy



Original Color
80, 13.512, 180.001

Protanomaly
80, 4.254, 160.517

Deuteranomaly
80, 1.774, 314.635

Tritanomaly
80, 11.536, 217.633

Monochromacy



Original Color
80, 13.512, 180.001

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 5.004, 180.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 13.512, 180.001 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(170, 206, 198)` looks like.

```
.text, #text, p{  
    color:rgb(170, 206, 198)  
}
```

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(170, 206, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 206, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 13.512, 180.001 is called "border". The border property can be set on classes, ids or directly on the HTML element.

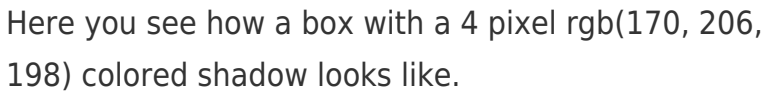
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 206, 198) }
```

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

```
.border{ border-color:rgb(170, 206, 198) }
```

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



Here you see how a box with a 4 pixel rgb(170, 206, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 206, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 206, 198);  
box-shadow:4px 4px 4px 4px rgb(170, 206,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 13.512, 180.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 206, 198) }
```

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

```
.background{ background-color: rgb(170,  
206, 198) }
```

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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