

Converting Colors

CIELCh(80, 26.720, 197.538)

Have a look what the booklet for
CIELCh(80, 26.720, 197.538)
contains.

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Color

CIELCh(80, 26.666, 197.530)

Conversions

Conversions Part 1

Format	Color
Hex	80D4D4
RGB	128, 212, 212
RGB Percent	50%, 83%, 83%
CMY	0.4965, 0.1670, 0.1671
CMYK	0.40, 0.00, 0.00, 0.17
HSL	180°, 50%, 67%
HSV	180°, 40%, 83%
XYZ	44.5400, 56.6813, 71.1439
YIQ	186.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

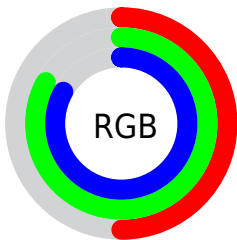
Format	Color
RYB	128, 170, 212
Decimal	8443092
CIELab	80.00, -25.43, -8.03
CIELCh	80, 26.666, 197.530
Yxy	56.6813, 0.2584, 0.3288
Android (android.graphics.Color)	4286633172 (0xFF80D4D4)
YUV	186.8840, 12.3822, -51.6413
Hunter-Lab	75.2870, -26.1511, -3.3264

Details

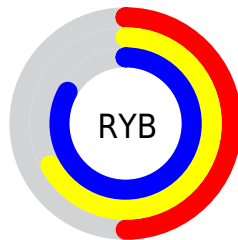
The CIELCh color **80, 26.666, 197.530** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 35.276, 23.234**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **60, 26.609, 197.077** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.757, 197.176**, and if you desaturate by 10%, it is **81, 20.791, 197.941**.

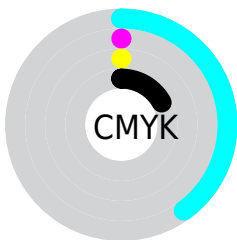
Distribution



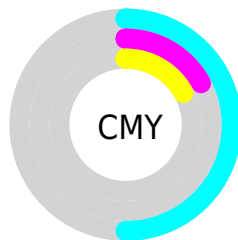
- Red (50%)
- Green (83%)
- Blue (83%)



- Red (50%)
- Yellow (67%)
- Blue (83%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





- Cyan (50%)
- Magenta (17%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 26.666, 197.530 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, 26.666, 197.530 by changing the saturation by 10% instead.


 80, 26.666,
197.530


 80, 26.666,
197.530


 100, 26.666,
197.530


 70, 26.666,
197.530

 60, 26.666,
197.530

 50, 26.666,
197.530

 40, 26.666,
197.530

 30, 26.666,
197.530

 20, 26.666,
197.530

 10, 26.666,

197.530

■ 0, 26.666, 197.530

■ 80, 26.666,
197.530

■ 80, 26.666,
197.530

■ 79, 31.757,
197.176

■ 81, 20.791,
197.941

■ 78, 35.969,
196.891

■ 82, 14.248,
198.414

■ 78, 39.238,
196.671

■ 84, 7.161, 198.961

■ 78, 41.553,
196.517

■ 85, 0.349, 17.771

■ 77, 42.959,
196.424

■ 87, 8.171, 19.932

■ 89, 15.885, 20.541

■ 77, 43.636,
196.379

■ 89, 15.885, 20.539

■ 77, 43.662,
196.377

■ 89, 15.885, 20.537

■ 89, 15.885, 20.534

Harmonies

Complementary

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



80, 26.666, 197.530



63, 35.276, 23.234

Rectangle

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



80, 26.666, 197.530



80, 26.666, 247.530



80, 26.666, 17.530



80, 26.666, 67.530

Sweetspot

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



80, 26.666, 197.527



98, 10.369, 198.810



78, 53.837, 141.086



52, 6.853, 198.736



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, 26.666, 197.527



93, 35.331, 197.243



69, 25.558, 260.320



44, 4.287, 198.969



63, 37.124, 196.377



15, 14.559, 196.379

Inverse Universe

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



63, 35.276, 23.234



70, 49.864, 24.630



72, 28.961, 68.775



42, 4.550, 19.925



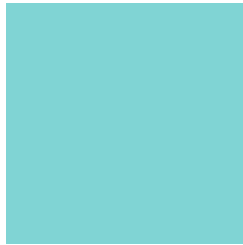
35, 77.346, 39.896



5, 22.000, 19.764

Previews

White Background



This preview shows how the CIELCh color 80, 26.666, 197.530 looks on a white background.

Color Contrast Check

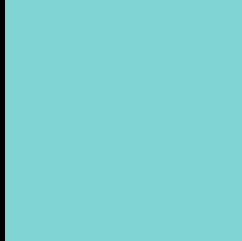
Large Text (above 18pt) WCAG AA × Fail

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, 26.666, 197.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

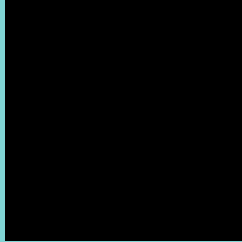
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

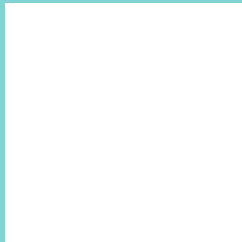
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 26.666, 197.530

Background



This preview shows how black text looks on a background with the CIELCh color 80, 26.666, 197.530.

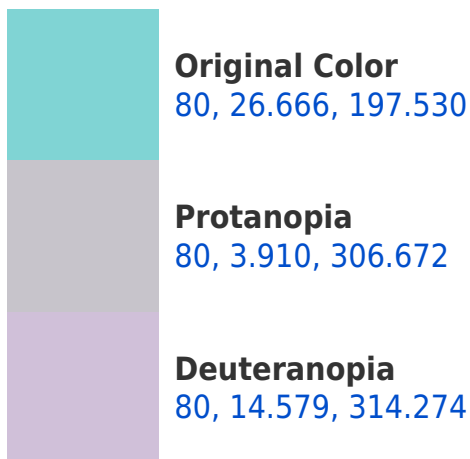


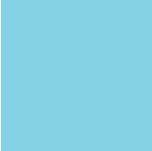
This preview shows how white text looks on a background with the CIELCh color 80, 26.666, 197.530.

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



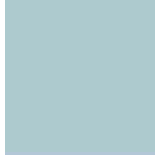


Tritanopia
80, 25.329, 218.999

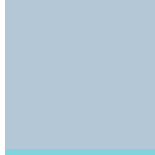
Trichromacy



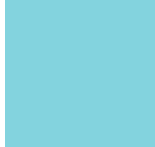
Original Color
80, 26.666, 197.530



Protanomaly
79, 10.283, 210.756



Deuteranomaly
79, 10.826, 251.396

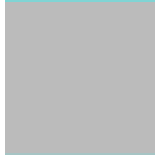


Tritanomaly
80, 25.376, 211.210

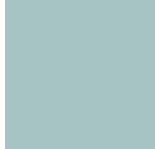
Monochromacy



Original Color
80, 26.666, 197.530



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 10.589, 198.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 26.666, 197.530 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(128, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 212, 212)  
}
```

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(128, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 212, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 26.666, 197.530 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(128, 212, 212) }
```

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

```
.border{ border-color:rgb(128, 212, 212) }
```

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

Here you see how a box with a 4 pixel rgb(128, 212, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 212,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 26.666, 197.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 212, 212) }
```

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

```
.background{ background-color: rgb(128,  
212, 212) }
```

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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