

Converting Colors

CIELCh(79, 52.637, 185.507)

Have a look what the booklet for
CIELCh(79, 52.637, 185.507)
contains.

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Color

CIELCh(80, 48.462, 184.564)

Conversions

Conversions Part 1

Format	Color
Hex	06DECC
RGB	6, 222, 204
RGB Percent	2%, 87%, 80%
CMY	0.9748, 0.1291, 0.1999
CMYK	0.97, 0.00, 0.08, 0.13
HSL	175°, 94%, 45%
HSV	175°, 97%, 87%
XYZ	37.1224, 56.6813, 66.1312
YIQ	155.3640, -122.9580, -51.3900

Conversions

Conversions Part 2

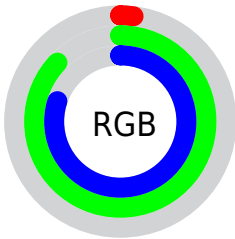
Format	Color
RYB	6, 119, 222
Decimal	450252
CIELab	80.00, -48.31, -3.86
CIELCh	80, 48.462, 184.564
Yxy	56.6813, 0.2321, 0.3544
Android (android.graphics.Color)	4278640332 (0xFF06DECC)
YUV	155.3640, 23.9775, -130.9922
Hunter-Lab	75.2870, -43.7376, 0.6212

Details

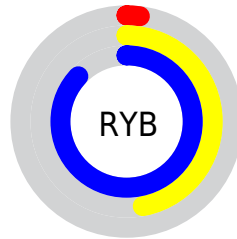
The CIELCh color **80, 48.462, 184.564** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **47, 89.000, 36.141**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **61, 39.723, 182.834** is the 20% darker color. If you saturate the color by 10%, you get **80, 48.756, 184.266**, and if you desaturate by 10%, it is **80, 47.180, 185.569**.

Distribution



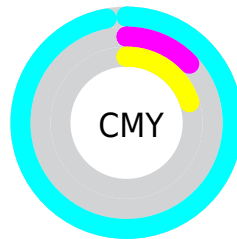
- Red (2%)
- Green (87%)
- Blue (80%)



- Red (2%)
- Yellow (47%)
- Blue (87%)



- Cyan (97%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)




- Cyan (97%)
- Magenta (13%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 48.462, 184.564 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, 48.462, 184.564 by changing the saturation by 10% instead.


 80, 48.462,
184.564


 80, 48.462,
184.564


 100, 48.462,
184.564


 70, 48.462,
184.564

 60, 48.462,
184.564

 50, 48.462,
184.564

 40, 48.462,
184.564

 30, 48.462,
184.564

 20, 48.462,
184.564

 10, 48.462,

184.564

■ 0, 48.462, 184.564

■ 80, 48.462,
184.564

■ 80, 48.462,
184.564

■ 80, 48.756,
184.266

■ 80, 47.180,
185.569

■ 80, 45.043,
186.498

■ 81, 41.944,
187.362

■ 82, 37.866,
188.180

■ 82, 32.855,
188.967

■ 83, 27.000,
189.735

■ 84, 20.422,
190.494

■ 86, 13.252,
191.256

■ 87, 5.624, 192.059

Harmonies

Complementary

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



80, 48.462, 184.564



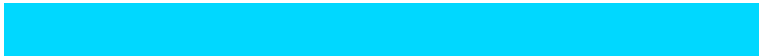
47, 89.000, 36.141

Rectangle

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



80, 48.462, 184.564



80, 48.462, 234.564



80, 48.462, 4.564



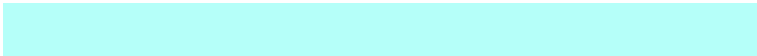
80, 48.462, 54.564

Sweetspot

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



80, 48.462, 184.563



95, 24.281, 190.333



78, 106.572, 135.635



50, 16.417, 190.007



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, 48.462, 184.563



91, 54.162, 184.180



55, 52.275, 271.587



46, 4.515, 191.859



65, 40.917, 184.438



17, 16.570, 186.259

Inverse Universe

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



47, 89.000, 36.141



53, 101.091, 37.432



55, 79.180, 53.253



44, 4.748, 13.177



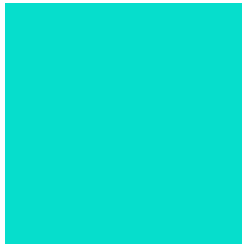
36, 75.652, 36.491



6, 25.370, 17.416

Previews

White Background



This preview shows how the CIELCh color 80, 48.462, 184.564 looks on a white background.

Color Contrast Check

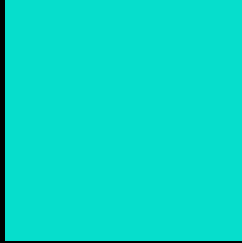
Large Text (above 18pt) WCAG AA × Fail

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, 48.462, 184.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

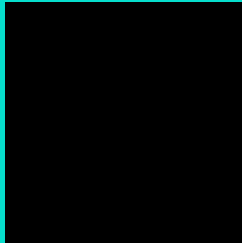
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

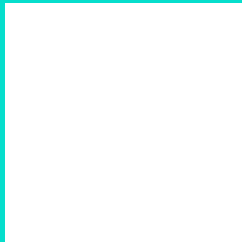
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 48.462, 184.564

Background



This preview shows how black text looks on a background with the CIELCh color 80, 48.462, 184.564.

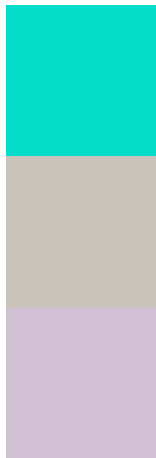


This preview shows how white text looks on a background with the CIELCh color 80, 48.462, 184.564.

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](#).

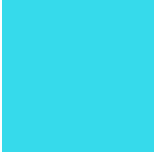
Dichromacy



Original Color
80, 48.454, 184.584

Protanopia
79, 4.327, 78.591

Deuteranopia
79, 12.558, 322.154

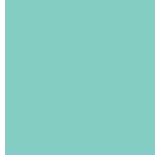


Tritanopia
80, 40.191, 210.028

Trichromacy



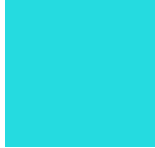
Original Color
80, 48.454, 184.584



Protanomaly
78, 25.549, 184.091



Deuteranomaly
77, 21.880, 206.399



Tritanomaly
80, 42.535, 200.197

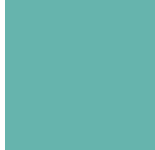
Monochromacy



Original Color
80, 48.454, 184.584



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 26.061, 188.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 48.462, 184.564 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(6, 222, 204)` looks like.

```
.text, #text, p{  
    color:rgb(6, 222, 204)  
}
```

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(6, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 222, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 48.462, 184.564 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(6, 222, 204) }
```

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

```
.border{ border-color:rgb(6, 222, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 222, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 222, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 222, 204);  
box-shadow:4px 4px 4px 4px rgb(6, 222,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 48.462, 184.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 222, 204) }
```

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

```
.background{ background-color: rgb(6, 222,  
204) }
```

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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