

Converting Colors

CIELCh(80, 43.447, 204.415)

Have a look what the booklet for
CIELCh(80, 43.447, 204.415)
contains.

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Color

CIELCh(80, 43.377, 204.433)

Conversions

Conversions Part 1

Format	Color
Hex	06DBE6
RGB	6, 219, 230
RGB Percent	2%, 86%, 90%
CMY	0.9764, 0.1394, 0.0962
CMYK	0.97, 0.05, 0.00, 0.10
HSL	183°, 95%, 46%
HSV	183°, 97%, 90%
XYZ	39.8740, 56.6813, 84.0405
YIQ	156.5670, -130.4790, -41.7350

Conversions

Conversions Part 2

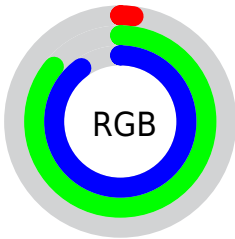
Format	Color
RYB	6, 115, 230
Decimal	449510
CIELab	80.00, -39.49, -17.94
CIELCh	80, 43.377, 204.433
Yxy	56.6813, 0.2208, 0.3139
Android (android.graphics.Color)	4278639590 (0xFF06DBE6)
YUV	156.5670, 36.2025, -132.0473
Hunter-Lab	75.2870, -37.2137, -13.4827

Details

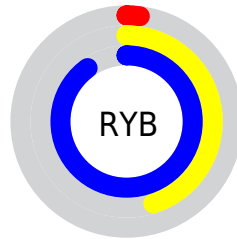
The CIELCh color **80, 43.377, 204.433** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **49, 94.823, 39.851**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **61, 34.639, 208.031** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.452, 204.628**, and if you desaturate by 10%, it is **80, 42.822, 203.736**.

Distribution



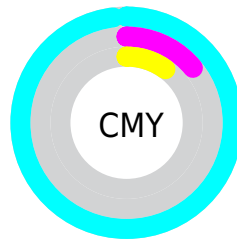
- Red (2%)
- Green (86%)
- Blue (90%)



- Red (2%)
- Yellow (45%)
- Blue (90%)



- Cyan (97%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)





- Cyan (98%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.377, 204.433 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, 43.377, 204.433 by changing the saturation by 10% instead.


 80, 43.377,
204.433


 80, 43.377,
204.433


 100, 43.377,
204.433


 70, 43.377,
204.433

 60, 43.377,
204.433

 50, 43.377,
204.433

 40, 43.377,
204.433

 30, 43.377,
204.433

 20, 43.377,
204.433

 10, 43.377,

204.433

■ 0, 43.377, 204.433

■ 80, 43.377,
204.433

■ 80, 43.377,
204.433

■ 80, 43.452,
204.628

■ 80, 42.822,
203.736

■ 81, 41.399,
203.213

■ 82, 38.989,
202.859

■ 83, 35.562,
202.663

■ 84, 31.153,
202.608

■ 85, 25.841,
202.677

■ 87, 19.739,
202.855

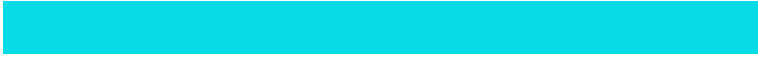
■ 88, 12.972,
203.130

■ 90, 5.668, 203.522

Harmonies

Complementary

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



80, 43.377, 204.433



49, 94.823, 39.851

Rectangle

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



80, 43.377, 204.433



80, 43.377, 254.433



80, 43.377, 24.433



80, 43.377, 74.433

Sweetspot

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



80, 43.376, 204.432



94, 22.534, 202.816



80, 109.837, 136.303



50, 15.192, 202.735



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, 43.376, 204.432



87, 46.892, 204.678



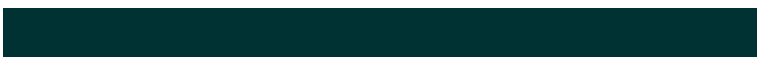
48, 70.516, 286.734



47, 4.320, 203.425



63, 35.927, 204.483



17, 15.215, 203.157

Inverse Universe

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



54, 102.604, 330.248



60, 111.128, 330.324



63, 77.029, 63.566



45, 8.034, 326.289



42, 85.104, 330.276



8, 35.925, 329.947

Previews

White Background



This preview shows how the CIE LCh color 80, 43.377, 204.433 looks on a white background.

Color Contrast Check

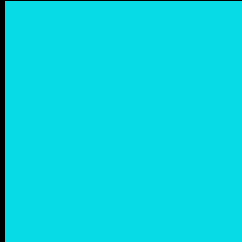
Large Text (above 18pt) WCAG AA × Fail

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, 43.377, 204.433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

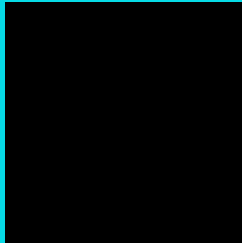
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 43.377, 204.433

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.377, 204.433.

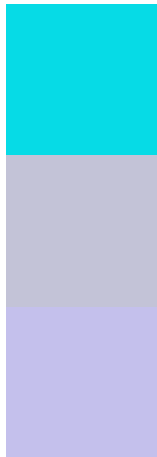


This preview shows how white text looks on a background with the CIELCh color 80, 43.377, 204.433.

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

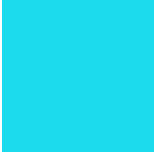
80, 43.305, 204.451

Protanopia

79, 10.684, 291.141

Deuteranopia

79, 23.594, 295.521

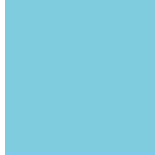


Tritanopia
80, 42.281, 209.238

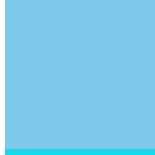
Trichromacy



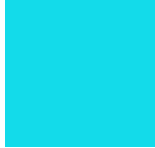
Original Color
80, 43.305, 204.451



Protanomaly
78, 25.328, 219.097



Deuteranomaly
78, 27.505, 237.070



Tritanomaly
80, 42.696, 207.585

Monochromacy



Original Color
80, 43.305, 204.451



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 24.854, 202.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.377, 204.433 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, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(6, 219, 230)  
}
```

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, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 219, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.377, 204.433 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, 219, 230) }
```

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

```
.border{ border-color:rgb(6, 219, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(6, 219,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.377, 204.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 219, 230) }
```

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

```
.background{ background-color: rgb(6, 219,  
230) }
```

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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