

Converting Colors

CIELCh(80, 45.418, 194.970)

Have a look what the booklet for
CIELCh(80, 45.418, 194.970)
contains.

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Color

CIELCh(80, 45.282, 194.991)

Conversions

Conversions Part 1

Format	Color
Hex	00DDDB
RGB	0, 221, 219
RGB Percent	0%, 87%, 86%
CMY	1.0000, 0.1342, 0.1421
CMYK	1.00, 0.00, 0.01, 0.13
HSL	179°, 100%, 43%
HSV	179°, 100%, 87%
XYZ	38.5316, 56.6813, 75.7676
YIQ	154.6930, -131.0740, -47.4740

Conversions

Conversions Part 2

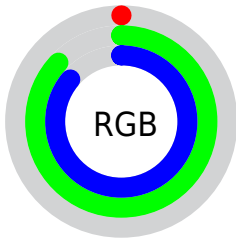
Format	Color
RYB	0, 111, 221
Decimal	56795
CIELab	80.00, -43.74, -11.71
CIELCh	80, 45.282, 194.991
Yxy	56.6813, 0.2254, 0.3315
Android (android.graphics.Color)	4278246875 (0xFF00DDDB)
YUV	154.6930, 31.7034, -135.6658
Hunter-Lab	75.2870, -40.3965, -6.9676

Details

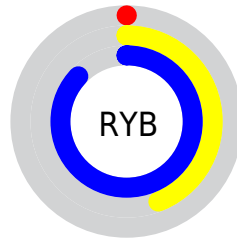
The CIELCh color **80, 45.282, 194.991** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **46, 93.398, 39.699**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **61, 36.337, 195.468** is the 20% darker color. If you saturate the color by 10%, you get **80, 45.246, 194.991**, and if you desaturate by 10%, it is **80, 44.553, 195.154**.

Distribution



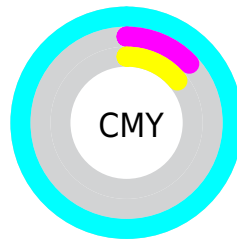
- Red (0%)
- Green (87%)
- Blue (86%)



- Red (0%)
- Yellow (44%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 45.282, 194.991 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, 45.282, 194.991 by changing the saturation by 10% instead.


 80, 45.282,
194.991


 80, 45.282,
194.991


 100, 45.282,
194.991


 70, 45.282,
194.991

 60, 45.282,
194.991

 50, 45.282,
194.991

 40, 45.282,
194.991

 30, 45.282,
194.991

 20, 45.282,
194.991

 10, 45.282,

194.991

■ 0, 45.282, 194.991

■ 80, 45.282,
194.991

■ 80, 45.282,
194.991

■ 80, 45.246,
194.991

■ 80, 44.553,
195.154

■ 80, 43.122,
195.349

■ 81, 40.754,
195.589

■ 81, 37.399,
195.880

■ 82, 33.070,
196.225

■ 83, 27.830,
196.625

■ 84, 21.779,
197.079

■ 85, 15.038,
197.586

■ 86, 7.736, 198.159

Harmonies

Complementary

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



80, 45.282, 194.991



46, 93.398, 39.699

Rectangle

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



80, 45.282, 194.991



80, 45.282, 244.991



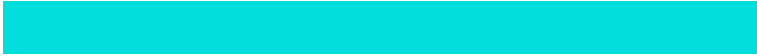
80, 45.282, 14.991



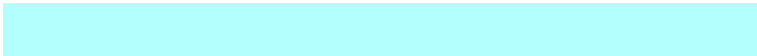
80, 45.282, 64.991

Sweetspot

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



80, 45.246, 194.991



95, 24.458, 197.067



77, 107.340, 135.961



50, 16.402, 196.868



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, 45.246, 194.991



91, 50.454, 194.980



49, 63.348, 282.963



45, 4.374, 198.195



64, 37.779, 195.013



16, 15.155, 195.248

Inverse Universe

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



46, 93.398, 39.699



53, 104.213, 39.749



58, 77.201, 58.763



43, 4.638, 19.199



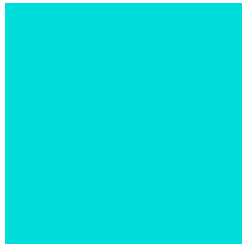
36, 77.842, 39.561



5, 23.825, 19.879

Previews

White Background



This preview shows how the CIE LCh color 80, 45.282, 194.991 looks on a white background.

Color Contrast Check

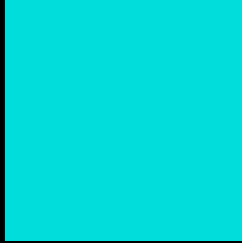
Large Text (above 18pt) WCAG AA × Fail

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, 45.282, 194.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

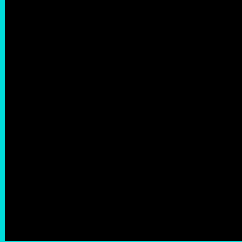
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 45.282, 194.991

Background



This preview shows how black text looks on a background with the CIELCh color 80, 45.282, 194.991.

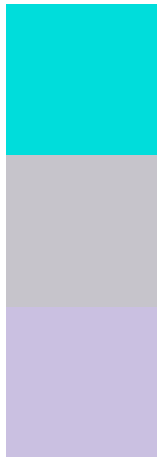


This preview shows how white text looks on a background with the CIELCh color 80, 45.282, 194.991.

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

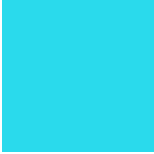
80, 45.282, 194.991

Protanopia

79, 3.821, 301.453

Deuteranopia

79, 18.038, 302.814

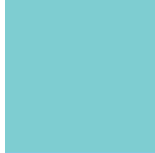


Tritanopia
80, 41.189, 210.429

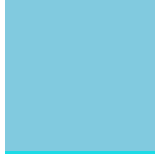
Trichromacy



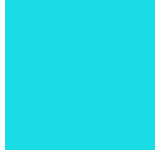
Original Color
80, 45.282, 194.991



Protanomaly
78, 25.128, 202.564

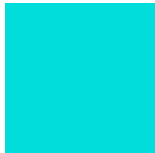


Deuteranomaly
77, 24.720, 225.322

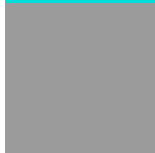


Tritanomaly
80, 42.590, 204.627

Monochromacy



Original Color
80, 45.282, 194.991



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 25.739, 196.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 45.282, 194.991 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(0, 221, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 219)  
}
```

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(0, 221, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 45.282, 194.991 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(0, 221, 219) }
```

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

```
.border{ border-color:rgb(0, 221, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 45.282, 194.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 219) }
```

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

```
.background{ background-color: rgb(0, 221,  
219) }
```

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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