

Converting Colors

CIELCh(79, 48.331, 199.043)

Have a look what the booklet for
CIELCh(79, 48.331, 199.043)
contains.

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Color

CIELCh(80, 44.142, 199.254)

Conversions

Conversions Part 1

Format	Color
Hex	07DCE0
RGB	7, 220, 224
RGB Percent	3%, 86%, 88%
CMY	0.9722, 0.1368, 0.1211
CMYK	0.97, 0.02, 0.00, 0.12
HSL	181°, 94%, 45%
HSV	181°, 97%, 88%
XYZ	39.1812, 56.6813, 79.4728
YIQ	156.7690, -128.2320, -43.9120

Conversions

Conversions Part 2

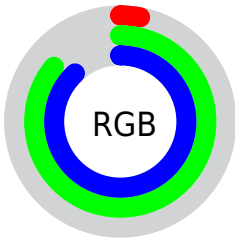
Format	Color
RYB	7, 114, 224
Decimal	515296
CIELab	80.00, -41.67, -14.56
CIELCh	80, 44.142, 199.254
Yxy	56.6813, 0.2235, 0.3233
Android (android.graphics.Color)	4278705376 (0xFF07DCE0)
YUV	156.7690, 33.1449, -131.3474
Hunter-Lab	75.2870, -38.8564, -9.8855

Details

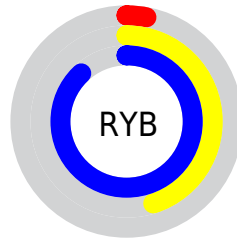
The CIELCh color **80, 44.142, 199.254** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 92.941, 39.416**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **61, 35.356, 201.111** is the 20% darker color. If you saturate the color by 10%, you get **80, 44.279, 199.327**, and if you desaturate by 10%, it is **80, 43.414, 199.052**.

Distribution



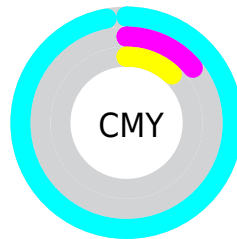
- Red (3%)
- Green (86%)
- Blue (88%)



- Red (3%)
- Yellow (45%)
- Blue (88%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (97%)
- Magenta (14%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 44.142, 199.254 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, 44.142, 199.254 by changing the saturation by 10% instead.


 80, 44.142,
199.254


 80, 44.142,
199.254

 100, 44.142,
199.254

 70, 44.142,
199.254

 60, 44.142,
199.254

 50, 44.142,
199.254

 40, 44.142,
199.254

 30, 44.142,
199.254

 20, 44.142,
199.254

 10, 44.142,

199.254

■ 0, 44.142, 199.254

■ 80, 44.142,
199.254

■ 80, 44.142,
199.254

■ 80, 44.279,
199.327

■ 80, 43.414,
199.052

■ 81, 41.824,
198.944

■ 81, 39.262,
198.934

■ 82, 35.699,
199.022

■ 83, 31.169,
199.201

■ 84, 25.747,
199.466

■ 85, 19.544,
199.808

■ 86, 12.683,
200.224

■ 88, 5.294, 200.744

Harmonies

Complementary

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



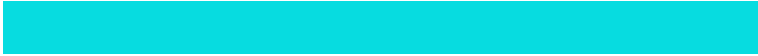
80, 44.142, 199.254



47, 92.941, 39.416

Rectangle

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



80, 44.142, 199.254



80, 44.142, 249.254



80, 44.142, 19.254



80, 44.142, 69.254

Sweetspot

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



80, 44.141, 199.253



95, 23.238, 199.720



78, 107.686, 136.217



50, 15.669, 199.572



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, 44.141, 199.253



90, 48.809, 199.348



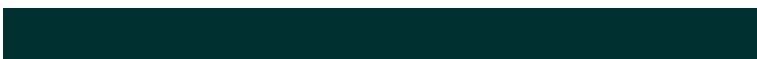
48, 66.337, 284.903



46, 4.371, 200.590



64, 36.972, 199.279



17, 15.250, 198.797

Inverse Universe

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



53, 102.792, 328.946



60, 113.885, 328.990



61, 75.553, 62.335



44, 8.053, 325.434



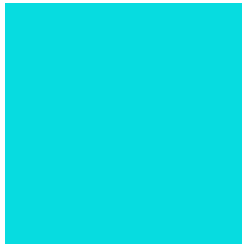
42, 86.245, 328.972



8, 35.489, 328.844

Previews

White Background



This preview shows how the CIE LCh color 80, 44.142, 199.254 looks on a white background.

Color Contrast Check

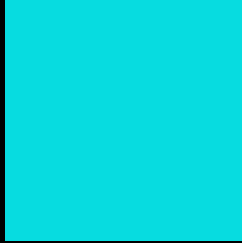
Large Text (above 18pt) WCAG AA × Fail

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, 44.142, 199.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

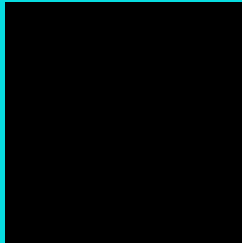
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 44.142, 199.254

Background



This preview shows how black text looks on a background with the CIELCh color 80, 44.142, 199.254.

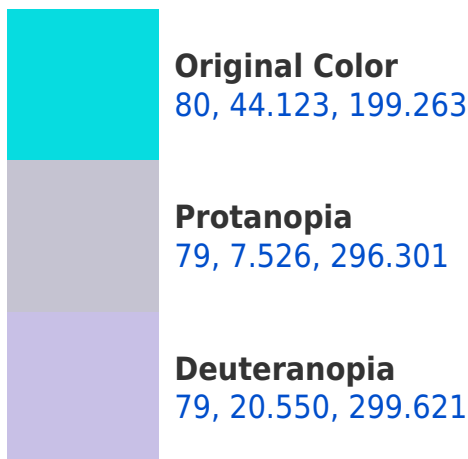


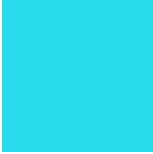
This preview shows how white text looks on a background with the CIELCh color 80, 44.142, 199.254.

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, 41.598, 210.268

Trichromacy



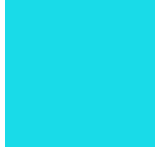
Original Color
80, 44.123, 199.263



Protanomaly
78, 24.337, 210.594



Deuteranomaly
78, 25.463, 231.563



Tritanomaly
80, 42.555, 206.129

Monochromacy



Original Color
80, 44.123, 199.263



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 25.048, 198.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 44.142, 199.254 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(7, 220, 224)` looks like.

```
.text, #text, p{  
    color:rgb(7, 220, 224)  
}
```

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(7, 220, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 220, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 44.142, 199.254 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(7, 220, 224) }
```

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

```
.border{ border-color:rgb(7, 220, 224) }
```

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

Here you see how a box with a 4 pixel rgb(7, 220, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 220, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 220, 224);  
box-shadow:4px 4px 4px 4px rgb(7, 220,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 44.142, 199.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 220, 224) }
```

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

```
.background{ background-color: rgb(7, 220,  
224) }
```

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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