

Converting Colors

CIELCh(80, 43.461, 204.130)

Have a look what the booklet for
CIELCh(80, 43.461, 204.130)
contains.

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Color

CIELCh(80, 43.586, 203.659)

Conversions

Conversions Part 1

Format	Color
Hex	02DCE6
RGB	2, 220, 230
RGB Percent	1%, 86%, 90%
CMY	0.9940, 0.1388, 0.0996
CMYK	0.99, 0.04, 0.00, 0.10
HSL	183°, 99%, 45%
HSV	183°, 99%, 90%
XYZ	39.7367, 56.6813, 83.4219
YIQ	155.9580, -133.1380, -43.1060

Conversions

Conversions Part 2

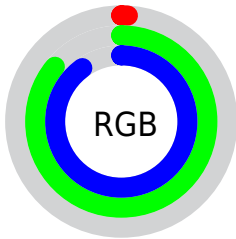
Format	Color
R _Y B	2, 113, 230
Decimal	187622
CIE Lab	80.00, -39.92, -17.49
CIE LCh	80, 43.586, 203.659
Yxy	56.6813, 0.2210, 0.3152
Android (android.graphics.Color)	4278377702 (0xFF02DCE6)
YUV	155.9580, 36.5027, -135.0212
Hunter-Lab	75.2870, -37.5393, -12.9955

Details

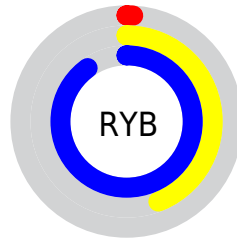
The CIELCh color **80, 43.586, 203.659** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 95.692, 40.198**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **61, 34.851, 206.973** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.606, 203.702**, and if you desaturate by 10%, it is **80, 43.125, 203.028**.

Distribution



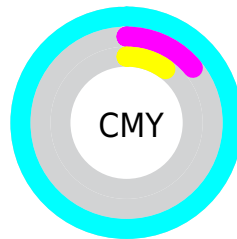
- Red (1%)
- Green (86%)
- Blue (90%)



- Red (1%)
- Yellow (44%)
- Blue (90%)



- Cyan (99%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)





- Cyan (99%)
- Magenta (14%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 43.586, 203.659 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, 43.586, 203.659 by changing the saturation by 10% instead.


 80, 43.586,
203.659


 80, 43.586,
203.659


 100, 43.586,
203.659


 70, 43.586,
203.659

 60, 43.586,
203.659

 50, 43.586,
203.659

 40, 43.586,
203.659

 30, 43.586,
203.659

 20, 43.586,
203.659

 10, 43.586,

203.659

■ 0, 43.586, 203.659

■ 80, 43.586,
203.659

■ 80, 43.586,
203.659

■ 80, 43.606,
203.702

■ 80, 43.125,
203.028

■ 81, 41.867,
202.546

■ 82, 39.638,
202.223

■ 82, 36.394,
202.048

■ 83, 32.158,
202.009

■ 85, 27.001,
202.090

■ 86, 21.029,
202.277

■ 88, 14.367,
202.558

■ 89, 7.143, 202.941

Harmonies

Complementary

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



80, 43.586, 203.659



48, 95.692, 40.198

Rectangle

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



80, 43.586, 203.659



80, 43.586, 253.659



80, 43.586, 23.659



80, 43.586, 73.659

Sweetspot

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



80, 43.585, 203.658



94, 23.335, 202.258



80, 109.955, 136.241



50, 15.641, 202.170



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, 43.585, 203.658



88, 47.190, 203.747



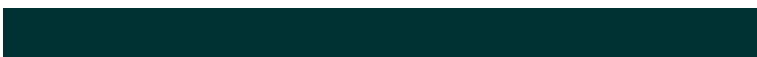
48, 71.788, 287.545



47, 4.342, 202.936



64, 36.151, 203.575



18, 15.299, 202.405

Inverse Universe

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



54, 103.006, 330.067



60, 111.587, 330.093



62, 77.648, 63.025



45, 8.062, 326.143



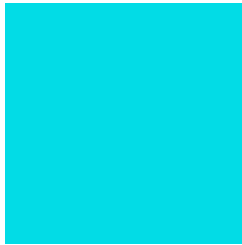
42, 85.448, 330.050



8, 36.048, 329.759

Previews

White Background



This preview shows how the CIELCh color 80, 43.586, 203.659 looks on a white background.

Color Contrast Check

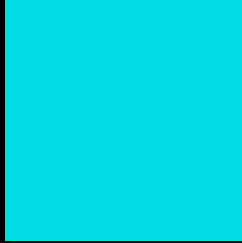
Large Text (above 18pt) WCAG AA × Fail

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, 43.586, 203.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

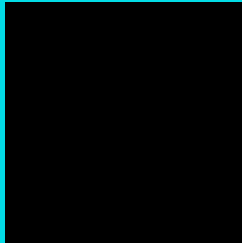
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

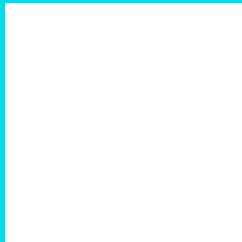
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 43.586, 203.659

Background



This preview shows how black text looks on a background with the CIELCh color 80, 43.586, 203.659.

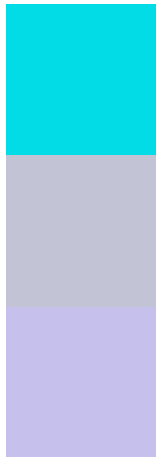


This preview shows how white text looks on a background with the CIELCh color 80, 43.586, 203.659.

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](#).

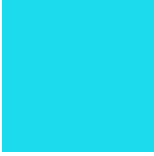
Dichromacy



Original Color
80, 43.633, 203.648

Protanopia
79, 10.151, 291.094

Deuteranopia
79, 23.619, 296.335

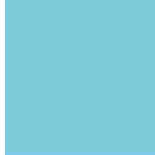


Tritanopia
80, 42.232, 209.256

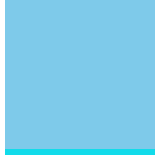
Trichromacy



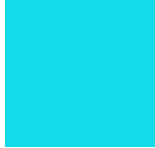
Original Color
80, 43.633, 203.648



Protanomaly
78, 25.462, 217.654



Deuteranomaly
78, 27.695, 236.744



Tritanomaly
80, 42.731, 207.574

Monochromacy



Original Color
80, 43.633, 203.648



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 25.098, 202.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 43.586, 203.659 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(2, 220, 230)` looks like.

```
.text, #text, p{  
    color:rgb(2, 220, 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(2, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 220, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 43.586, 203.659 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(2, 220, 230) }
```

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

```
.border{ border-color:rgb(2, 220, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 220, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(2, 220,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 43.586, 203.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 220, 230) }
```

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

```
.background{ background-color: rgb(2, 220,  
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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