

Converting Colors

CIELCh(80, 42.944, 210.413)

Have a look what the booklet for
CIELCh(80, 42.944, 210.413)
contains.

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Color

CIELCh(80, 42.980, 210.494)

Conversions

Conversions Part 1

Format	Color
Hex	01DBEE
RGB	1, 219, 238
RGB Percent	0%, 86%, 93%
CMY	0.9951, 0.1423, 0.0678
CMYK	0.99, 0.08, 0.00, 0.07
HSL	185°, 99%, 47%
HSV	185°, 99%, 93%
XYZ	40.6645, 56.6813, 89.4692
YIQ	155.9840, -136.0270, -40.3070

Conversions

Conversions Part 2

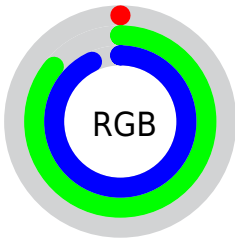
Format	Color
RYB	1, 115, 238
Decimal	121838
CIELab	80.00, -37.04, -21.81
CIElCh	80, 42.980, 210.494
Yxy	56.6813, 0.2177, 0.3034
Android (android.graphics.Color)	4278311918 (0xFF01DBEE)
YUV	155.9840, 40.4339, -135.9210
Hunter-Lab	75.2870, -35.3395, -17.7579

Details

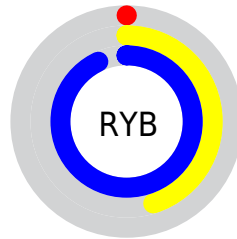
The CIELCh color **80, 42.980, 210.494** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **50, 97.751, 40.604**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **61, 34.539, 215.058** is the 20% darker color. If you saturate the color by 10%, you get **80, 42.990, 210.565**, and if you desaturate by 10%, it is **81, 42.624, 209.176**.

Distribution



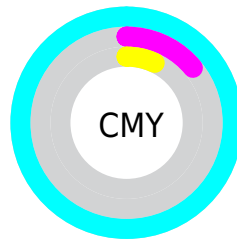
- Red (0%)
- Green (86%)
- Blue (93%)



- Red (0%)
- Yellow (45%)
- Blue (93%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (14%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 42.980, 210.494 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, 42.980, 210.494 by changing the saturation by 10% instead.


 80, 42.980,
210.494

 80, 42.980,
210.494

 100, 42.980,
210.494

 70, 42.980,
210.494

 60, 42.980,
210.494

 50, 42.980,
210.494

 40, 42.980,
210.494

 30, 42.980,
210.494

 20, 42.980,
210.494

 10, 42.980,

210.494

■ 0, 42.980, 210.494

■ 80, 42.980,
210.494

■ 80, 42.980,
210.494

■ 80, 42.990,
210.565

■ 81, 42.624,
209.176

■ 81, 41.468,
208.115

■ 82, 39.328,
207.316

■ 84, 36.161,
206.754

■ 85, 31.991,
206.398

■ 86, 26.894,
206.217

■ 88, 20.980,
206.186

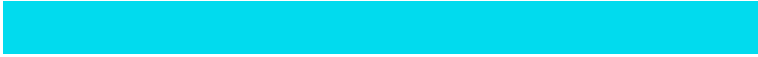
■ 90, 14.374,
206.282

■ 92, 7.205, 206.504

Harmonies

Complementary

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



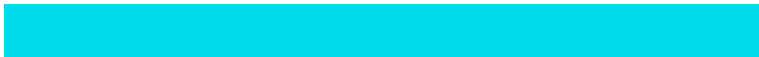
80, 42.980, 210.494



50, 97.751, 40.604

Rectangle

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



80, 42.980, 210.494



80, 42.980, 260.494



80, 42.980, 30.494



80, 42.980, 80.494

Sweetspot

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



80, 42.979, 210.493



94, 22.544, 206.184



82, 112.300, 136.458



49, 15.110, 206.184



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, 42.979, 210.493



85, 45.322, 210.624



47, 78.840, 290.437



49, 4.348, 206.504



63, 35.466, 210.310



19, 15.655, 208.188

Inverse Universe

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



55, 102.734, 331.752



59, 108.373, 331.787



66, 78.989, 65.876



47, 8.148, 327.204



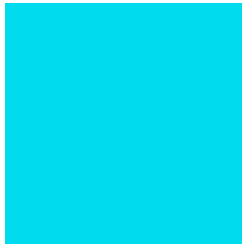
43, 84.784, 331.710



10, 37.337, 331.190

Previews

White Background



This preview shows how the CIE LCh color 80, 42.980, 210.494 looks on a white background.

Color Contrast Check

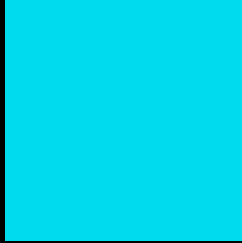
Large Text (above 18pt) WCAG AA × Fail

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, 42.980, 210.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

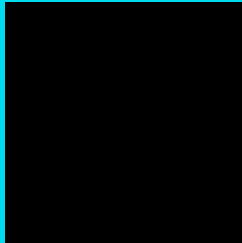
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 42.980, 210.494

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.980, 210.494.



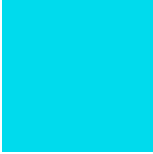
This preview shows how white text looks on a background with the CIELCh color 80, 42.980, 210.494.

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



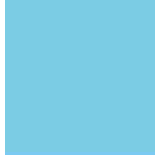


Tritanopia
80, 43.075, 209.706

Trichromacy



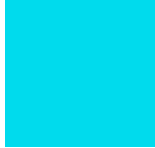
Original Color
80, 43.026, 210.477



Protanomaly
78, 26.978, 226.619



Deuteranomaly
78, 30.480, 243.340

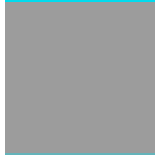


Tritanomaly
80, 43.075, 209.706

Monochromacy



Original Color
80, 43.026, 210.477



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 25.005, 206.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.980, 210.494 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(1, 219, 238)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 238)  
}
```

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(1, 219, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.980, 210.494 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(1, 219, 238) }
```

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

```
.border{ border-color:rgb(1, 219, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 219, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 238);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.980, 210.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 219, 238) }
```

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

```
.background{ background-color: rgb(1, 219,  
238) }
```

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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