

Converting Colors

CIELCh(80, 42.982, 214.542)

Have a look what the booklet for
CIELCh(80, 42.982, 214.542)
contains.

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Color

CIELCh(80, 42.887, 215.132)

Conversions

Conversions Part 1

Format	Color
Hex	01DAF3
RGB	1, 218, 243
RGB Percent	0%, 85%, 95%
CMY	0.9969, 0.1447, 0.0466
CMYK	1.00, 0.10, 0.00, 0.05
HSL	186°, 99%, 48%
HSV	186°, 100%, 95%
XYZ	41.3028, 56.6813, 93.6444
YIQ	155.9670, -137.3570, -38.2290

Conversions

Conversions Part 2

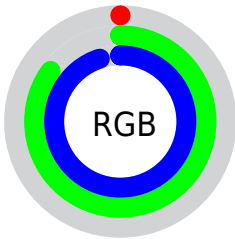
Format	Color
RYB	1, 115, 243
Decimal	121587
CIELab	80.00, -35.07, -24.68
CIELCh	80, 42.887, 215.132
Yxy	56.6813, 0.2155, 0.2958
Android (android.graphics.Color)	4278311667 (0xFF01DAF3)
YUV	155.9670, 42.9073, -135.9061
Hunter-Lab	75.2870, -33.8263, -21.0459

Details

The CIELCh color **80, 42.887, 215.132** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 99.077, 40.941**, 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, 34.753, 220.059** is the 20% darker color. If you saturate the color by 10%, you get **80, 42.893, 215.193**, and if you desaturate by 10%, it is **81, 42.545, 213.332**.

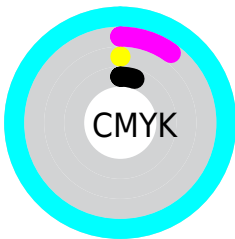
Distribution



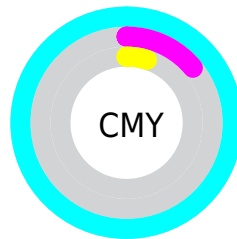
- Red (0%)
- Green (85%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.887, 215.132 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, 42.887, 215.132 by changing the saturation by 10% instead.


 80, 42.887,
215.132


 80, 42.887,
215.132


 100, 42.887,
215.132


 70, 42.887,
215.132

 60, 42.887,
215.132

 50, 42.887,
215.132

 40, 42.887,
215.132

 30, 42.887,
215.132

 20, 42.887,
215.132

 10, 42.887,

215.132

■ 0, 42.887, 215.132

■ 80, 42.887,
215.132

■ 80, 42.887,
215.132

■ 80, 42.893,
215.193

■ 81, 42.545,
213.332

■ 82, 41.416,
211.864

■ 83, 39.307,
210.733

■ 84, 36.169,
209.900

■ 86, 32.026,
209.323

■ 87, 26.954,
208.962

■ 89, 21.064,
208.779

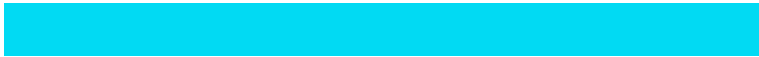
■ 91, 14.482,
208.747

■ 94, 7.336, 208.859

Harmonies

Complementary

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



80, 42.887, 215.132



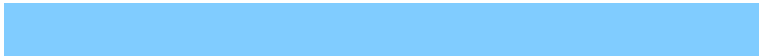
52, 99.077, 40.941

Rectangle

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



80, 42.887, 215.132



80, 42.887, 265.132



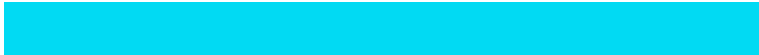
80, 42.887, 35.132



80, 42.887, 85.132

Sweetspot

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



80, 42.886, 215.131



93, 22.102, 208.784



84, 113.421, 136.757



49, 14.815, 208.844



0, 0.000, 0.000



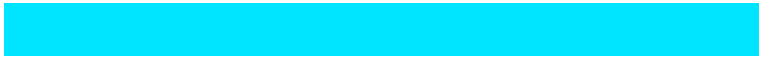
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 42.886, 215.131



83, 44.464, 215.247



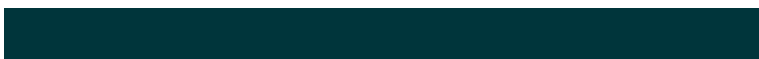
46, 85.540, 293.008



50, 4.337, 208.863



63, 35.149, 214.843



19, 15.798, 212.120

Inverse Universe

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



56, 102.626, 332.890



59, 106.414, 332.920



69, 79.842, 68.849



48, 8.160, 327.897



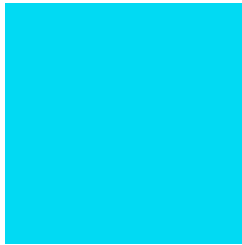
43, 84.133, 332.821



10, 37.808, 332.153

Previews

White Background



This preview shows how the CIE LCh color 80, 42.887, 215.132 looks on a white background.

Color Contrast Check

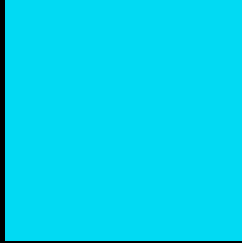
Large Text (above 18pt) WCAG AA × Fail

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, 42.887, 215.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

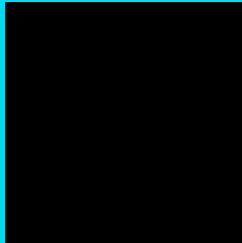
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 42.887, 215.132

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.887, 215.132.

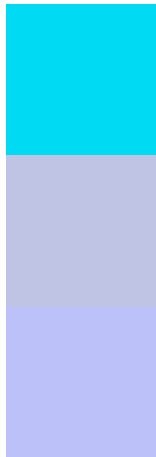


This preview shows how white text looks on a background with the CIELCh color 80, 42.887, 215.132.

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, 42.865, 215.143

Protanopia

79, 17.645, 287.334

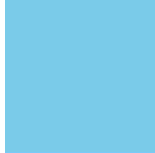
Deuteranopia

79, 29.905, 290.342

Trichromacy



Original Color
80, 42.865, 215.143



Protanomaly
78, 28.167, 233.133

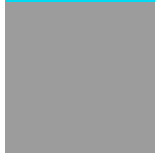


Deuteranomaly
78, 32.380, 246.886

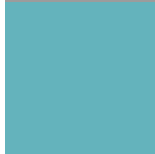
Monochromacy



Original Color
80, 42.865, 215.143



Achromatopsia
64, 0.008, 296.813



Achromatomaly
68, 25.003, 209.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.887, 215.132 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, 218, 243)` looks like.

```
.text, #text, p{  
    color:rgb(1, 218, 243)  
}
```

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, 218, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 218, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.887, 215.132 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, 218, 243) }
```

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

```
.border{ border-color:rgb(1, 218, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 218, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 218, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 218, 243);  
box-shadow:4px 4px 4px 4px rgb(1, 218,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.887, 215.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 218, 243) }
```

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

```
.background{ background-color: rgb(1, 218,  
243) }
```

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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