

Converting Colors

CIELCh(84, 90.991, 183.630)

Have a look what the booklet for
CIELCh(84, 90.991, 183.630)
contains.

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Color

CIELCh(88, 55.764, 178.945)

Conversions

Conversions Part 1

Format	Color
Hex	00F8D9
RGB	0, 248, 217
RGB Percent	0%, 97%, 85%
CMY	1.0000, 0.0276, 0.1490
CMYK	1.00, 0.00, 0.12, 0.03
HSL	173°, 100%, 49%
HSV	173°, 100%, 97%
XYZ	45.9852, 72.0653, 77.1266
YIQ	170.3140, -137.8570, -62.2170

Conversions

Conversions Part 2

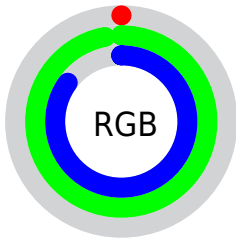
Format	Color
RYB	0, 132, 248
Decimal	63705
CIELab	88.00, -55.75, 1.03
CIELCh	88, 55.764, 178.945
Yxy	72.0653, 0.2356, 0.3692
Android (android.graphics.Color)	4278253785 (0xFF00F8D9)
YUV	170.3140, 23.0162, -149.3654
Hunter-Lab	84.8913, -51.8671, 5.5569

Details

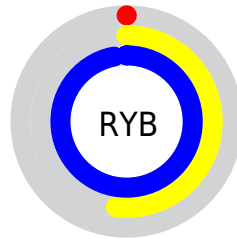
The CIELCh color **88, 55.764, 178.945** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 96.565, 35.382**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **69, 46.668, 176.493** is the 20% darker color. If you saturate the color by 10%, you get **88, 55.608, 178.905**, and if you desaturate by 10%, it is **88, 54.090, 180.299**.

Distribution



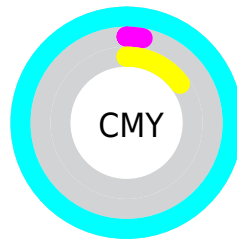
- Red (0%)
- Green (97%)
- Blue (85%)



- Red (0%)
- Yellow (52%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 55.764, 178.945 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 88, 55.764, 178.945 by changing the saturation by 10% instead.


 88, 55.764,
178.945


 88, 55.764,
178.945


 100, 55.764,
178.945


 78, 55.764,
178.945

 68, 55.764,
178.945

 58, 55.764,
178.945

 48, 55.764,
178.945

 38, 55.764,
178.945

 28, 55.764,
178.945

 18, 55.764,

178.945

■ 8, 55.764, 178.945

■ 0, 55.764, 178.945

■ 88, 55.764,
178.945

■ 88, 55.764,
178.945

■ 88, 55.608,
178.905

■ 88, 54.090,
180.299

■ 88, 51.749,
181.584

■ 89, 48.385,
182.752

■ 90, 43.957,
183.823

■ 90, 38.502,

184.819

■ 91, 32.112,
185.757

■ 93, 24.919,
186.655

■ 94, 17.070,
187.526

■ 96, 8.715, 188.396

Harmonies

Complementary

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



88, 55.764, 178.945



52, 96.565, 35.382

Rectangle

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



88, 55.764, 178.945



88, 55.764, 228.945



88, 55.764, 358.945



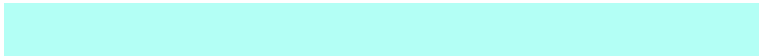
88, 55.764, 48.945

Sweetspot

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



88, 55.608, 178.905



95, 25.488, 186.651



86, 116.333, 135.435



50, 17.156, 186.276



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 55.608, 178.905



90, 56.814, 178.883



62, 54.704, 268.502



51, 4.990, 188.441



69, 45.183, 179.159



22, 20.071, 181.098

Inverse Universe

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



52, 96.565, 35.382



53, 98.718, 35.453



59, 89.813, 50.347



49, 5.227, 9.906



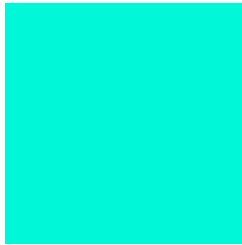
39, 77.934, 34.562



9, 31.375, 21.052

Previews

White Background



This preview shows how the CIELCh color 88, 55.764, 178.945 looks on a white background.

Color Contrast Check

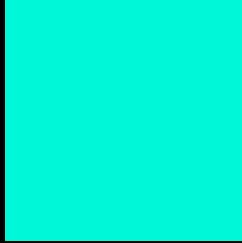
Large Text (above 18pt) WCAG AA × Fail

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 88, 55.764, 178.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

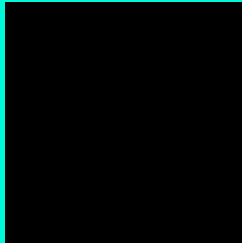
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 55.764, 178.945

Background



This preview shows how black text looks on a background with the CIELCh color 88, 55.764, 178.945.

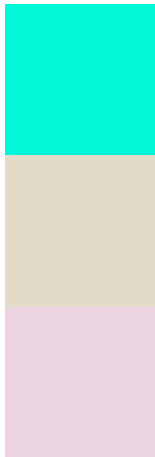


This preview shows how white text looks on a background with the CIELCh color 88, 55.764, 178.945.

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

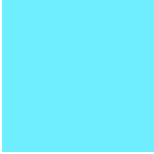
88, 55.626, 178.887

Protanopia

87, 9.456, 88.620

Deuteranopia

87, 11.324, 343.425

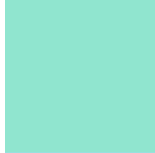


Tritanopia
88, 36.063, 211.681

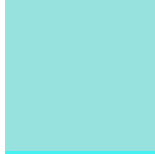
Trichromacy



Original Color
88, 55.626, 178.887



Protanomaly
85, 30.753, 175.141



Deuteranomaly
85, 24.181, 193.992

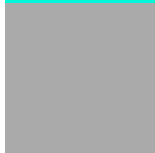


Tritanomaly
88, 44.034, 195.940

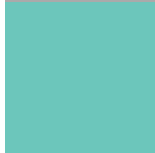
Monochromacy



Original Color
88, 55.626, 178.887



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 29.774, 185.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 55.764, 178.945 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, 248, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 248, 217)  
}
```

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, 248, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 248, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 55.764, 178.945 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, 248, 217) }
```

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

```
.border{ border-color:rgb(0, 248, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 248, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 248, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 248, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 248,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 55.764, 178.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 248, 217) }
```

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

```
.background{ background-color: rgb(0, 248,  
217) }
```

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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