

Converting Colors

CIELCh(86, 64.599, 165.717)

Have a look what the booklet for
CIELCh(86, 64.599, 165.717)
contains.

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Color

CIELCh(86, 64.465, 165.690)

Conversions

Conversions Part 1

Format	Color
Hex	00F4B7
RGB	0, 244, 183
RGB Percent	0%, 96%, 72%
CMY	1.0000, 0.0439, 0.2831
CMYK	1.00, 0.00, 0.25, 0.04
HSL	165°, 100%, 48%
HSV	165°, 100%, 96%
XYZ	40.8047, 67.9871, 55.6733
YIQ	164.0900, -125.8430, -70.6990

Conversions

Conversions Part 2

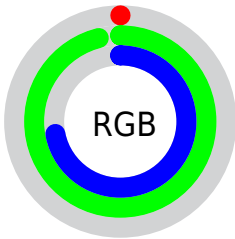
Format	Color
RYB	0, 139, 244
Decimal	62647
CIELab	86.00, -62.46, 15.93
CIELCh	86, 64.465, 165.690
Yxy	67.9871, 0.2481, 0.4134
Android (android.graphics.Color)	4278252727 (0xFF00F4B7)
YUV	164.0900, 9.3226, -143.9069
Hunter-Lab	82.4543, -55.9596, 17.6853

Details

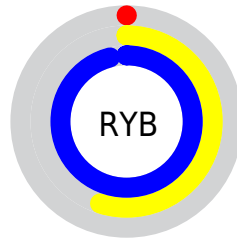
The CIELCh color **86, 64.465, 165.690** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **51, 87.737, 26.539**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 42.313, 185.414**, and **67, 55.813, 161.759** is the 20% darker color. If you saturate the color by 10%, you get **86, 64.438, 165.678**, and if you desaturate by 10%, it is **86, 61.673, 167.722**.

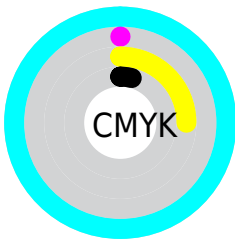
Distribution



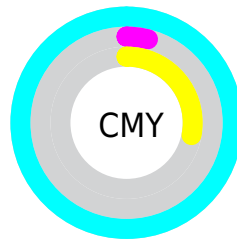
- Red (0%)
- Green (96%)
- Blue (72%)



- Red (0%)
- Yellow (55%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 64.465, 165.690 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 86, 64.465, 165.690 by changing the saturation by 10% instead.

 86, 64.465,
165.690

 86, 64.465,
165.690


 100, 64.465,
165.690


 76, 64.465,
165.690

 66, 64.465,
165.690

 56, 64.465,
165.690

 46, 64.465,
165.690

 36, 64.465,
165.690

 26, 64.465,
165.690

 16, 64.465,

165.690

■ 6, 64.465, 165.690

■ 0, 64.465, 165.690

■ 86, 64.465,
165.690

■ 86, 64.465,
165.690

■ 86, 64.438,
165.678

■ 86, 61.673,
167.722

■ 87, 58.127,
169.610

■ 87, 53.610,
171.307

■ 88, 48.099,
172.828

■ 89, 41.651,

174.197

■ 90, 34.376,
175.439

■ 91, 26.420,
176.578

■ 93, 17.939,
177.637

■ 94, 9.085, 178.647

Harmonies

Complementary

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



86, 64.465, 165.690



51, 87.737, 26.539

Rectangle

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



86, 64.465, 165.690



86, 64.465, 215.690



86, 64.465, 345.690



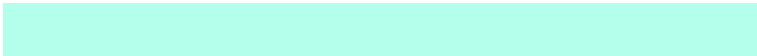
86, 64.465, 35.690

Sweetspot

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



86, 64.438, 165.678



95, 27.395, 176.570



85, 112.606, 133.923



50, 18.512, 176.099



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 64.438, 165.678



90, 66.718, 165.624



71, 43.647, 243.609



50, 5.183, 178.699



67, 52.342, 166.053



21, 22.305, 169.140

Inverse Universe

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



51, 87.737, 26.539



54, 90.872, 26.688



54, 95.089, 44.151



48, 5.354, 0.356



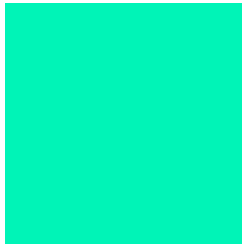
39, 71.113, 25.493



9, 29.816, 14.171

Previews

White Background



This preview shows how the CIE LCh color 86, 64.465, 165.690 looks on a white background.

Color Contrast Check

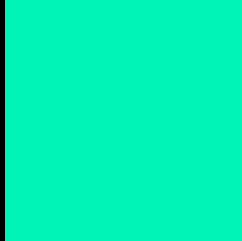
Large Text (above 18pt) WCAG AA × Fail

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 86, 64.465, 165.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

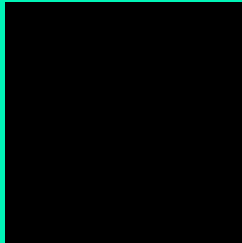
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

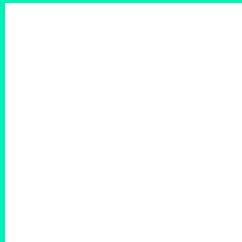
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 64.465, 165.690

Background



This preview shows how black text looks on a background with the CIELCh color 86, 64.465, 165.690.

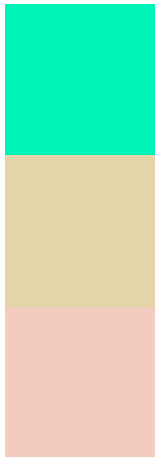


This preview shows how white text looks on a background with the CIELCh color 86, 64.465, 165.690.

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](#).

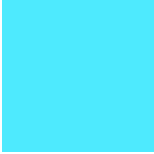
Dichromacy



Original Color
86, 64.465, 165.690

Protanopia
85, 24.120, 94.938

Deuteranopia
85, 16.046, 47.316

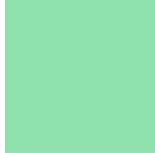


Tritanopia
86, 40.254, 212.315

Trichromacy



Original Color
86, 64.465, 165.690



Protanomaly
83, 39.278, 153.766



Deuteranomaly
82, 28.357, 162.119



Tritanomaly
86, 46.883, 189.883

Monochromacy



Original Color
86, 64.465, 165.690



Achromatopsia
67, 0.008, 296.813



Achromatomaly
72, 32.180, 175.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 64.465, 165.690 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, 244, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 183)  
}
```

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, 244, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 64.465, 165.690 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, 244, 183) }
```

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

```
.border{ border-color:rgb(0, 244, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 244, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 64.465, 165.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 183) }
```

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

```
.background{ background-color: rgb(0, 244,  
183) }
```

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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