

Converting Colors

CIELCh(87, 60.577, 170.455)

Have a look what the booklet for
CIELCh(87, 60.577, 170.455)
contains.

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Color

CIELCh(87, 60.535, 170.502)

Conversions

Conversions Part 1

Format	Color
Hex	08F6C5
RGB	8, 246, 197
RGB Percent	3%, 96%, 77%
CMY	0.9680, 0.0352, 0.2274
CMYK	0.97, 0.00, 0.20, 0.04
HSL	168°, 94%, 50%
HSV	168°, 97%, 96%
XYZ	43.1425, 70.0064, 64.0722
YIQ	169.2520, -126.1190, -65.6950

Conversions

Conversions Part 2

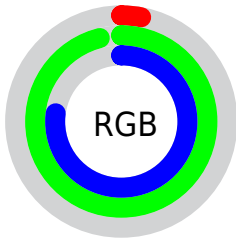
Format	Color
RYB	8, 141, 246
Decimal	587461
CIELab	87.00, -59.71, 9.99
CIELCh	87, 60.535, 170.502
Yxy	70.0064, 0.2434, 0.3950
Android (android.graphics.Color)	4278777541 (0xFF08F6C5)
YUV	169.2520, 13.6798, -141.4180
Hunter-Lab	83.6698, -54.3826, 13.1661

Details

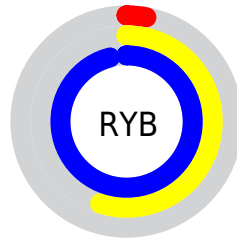
The CIELCh color **87, 60.535, 170.502** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **52, 88.955, 28.324**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.367, 196.245**, and **68, 52.015, 167.018** is the 20% darker color. If you saturate the color by 10%, you get **87, 61.259, 169.876**, and if you desaturate by 10%, it is **87, 58.021, 172.350**.

Distribution



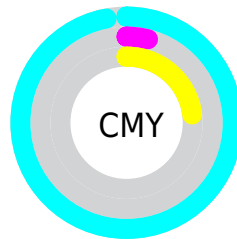
- Red (3%)
- Green (96%)
- Blue (77%)



- Red (3%)
- Yellow (55%)
- Blue (96%)



- Cyan (97%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)





- Cyan (97%)
- Magenta (4%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 60.535, 170.502 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 87, 60.535, 170.502 by changing the saturation by 10% instead.

 87, 60.535,
170.502

 87, 60.535,
170.502


 100, 60.535,
170.502


 77, 60.535,
170.502

 67, 60.535,
170.502

 57, 60.535,
170.502

 47, 60.535,
170.502

 37, 60.535,
170.502

 27, 60.535,
170.502

 17, 60.535,

170.502

■ 7, 60.535, 170.502

■ 0, 60.535, 170.502

■ 87, 60.535,
170.502

■ 87, 60.535,
170.502

■ 87, 61.259,
169.876

■ 87, 58.021,
172.350

■ 88, 54.592,
174.023

■ 88, 50.152,
175.528

■ 89, 44.700,
176.884

■ 90, 38.307,

178.117

■ 91, 31.091,
179.251

■ 92, 23.201,
180.306

■ 94, 14.791,
181.304

■ 96, 6.009, 182.293

Harmonies

Complementary

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



87, 60.535, 170.502



52, 88.955, 28.324

Rectangle

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



87, 60.535, 170.502



87, 60.535, 220.502



87, 60.535, 350.502



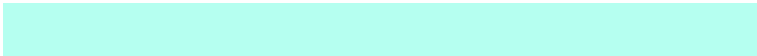
87, 60.535, 40.502

Sweetspot

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



87, 60.535, 170.501



95, 25.813, 180.062



85, 113.363, 134.467



50, 17.523, 179.613



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 60.535, 170.501



90, 62.977, 169.837



69, 46.053, 252.279



50, 5.069, 182.009



68, 49.462, 170.231



21, 21.244, 173.041

Inverse Universe

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



52, 88.955, 28.324



54, 93.528, 30.174



57, 91.121, 46.443



48, 5.261, 3.627



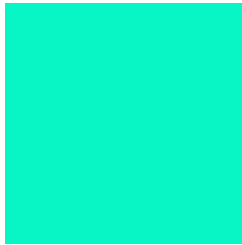
39, 73.093, 29.030



9, 29.975, 16.436

Previews

White Background



This preview shows how the CIE LCh color 87, 60.535, 170.502 looks on a white background.

Color Contrast Check

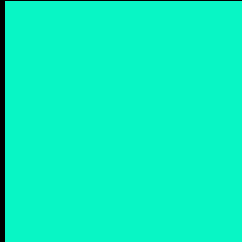
Large Text (above 18pt) WCAG AA × Fail

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 87, 60.535, 170.502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

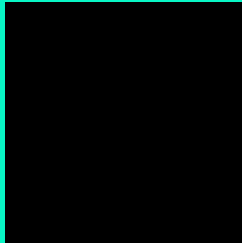
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

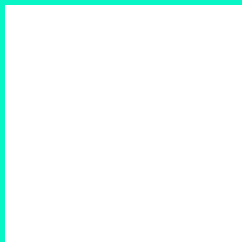
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 60.535, 170.502

Background



This preview shows how black text looks on a background with the CIELCh color 87, 60.535, 170.502.

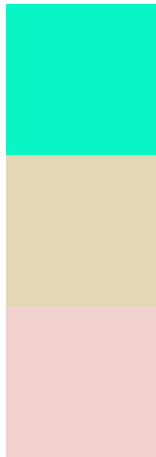


This preview shows how white text looks on a background with the CIELCh color 87, 60.535, 170.502.

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](#).

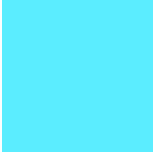
Dichromacy



Original Color
87, 60.535, 170.502

Protanopia
86, 18.326, 94.026

Deuteranopia
86, 12.169, 30.062

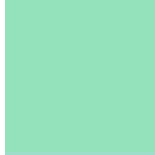


Tritanopia
87, 38.998, 211.230

Trichromacy



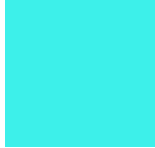
Original Color
87, 60.535, 170.502



Protanomaly
84, 34.535, 160.618



Deuteranomaly
84, 25.181, 172.813

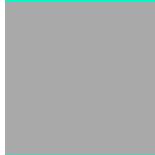


Tritanomaly
87, 45.448, 192.491

Monochromacy



Original Color
87, 60.535, 170.502



Achromatopsia
69, 0.009, 296.813



Achromatomaly
74, 30.352, 178.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 60.535, 170.502 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(8, 246, 197)` looks like.

```
.text, #text, p{  
    color:rgb(8, 246, 197)  
}
```

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(8, 246, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 246, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 60.535, 170.502 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(8, 246, 197) }
```

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

```
.border{ border-color:rgb(8, 246, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 246, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 246, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 246, 197);  
box-shadow:4px 4px 4px 4px rgb(8, 246,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 60.535, 170.502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 246, 197) }
```

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

```
.background{ background-color: rgb(8, 246,  
197) }
```

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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