

# Converting Colors

CIELCh(87, 65.758, 159.071)

Have a look what the booklet for  
CIELCh(87, 65.758, 159.071)  
contains.

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# Color

**CIELCh(87, 65.808, 159.081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42F6AB
RGB	66, 246, 171
RGB Percent	26%, 96%, 67%
CMY	0.7412, 0.0353, 0.3294
CMYK	0.73, 0.00, 0.30, 0.04
HSL	155°, 91%, 61%
HSV	155°, 73%, 96%
XYZ	42.5507, 70.0064, 49.7955
YIQ	183.6300, -83.2050, -61.4850

# Conversions

## Conversions Part 2

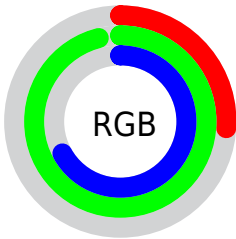
Format	Color
<b>RYB</b>	66, 180, 246
Decimal	4388523
CIELab	87.00, -61.47, 23.50
CIELCh	87, 65.808, 159.081
Yxy	70.0064, 0.2621, 0.4312
Android (android.graphics.Color)	4282578603 (0xFF42F6AB)
YUV	183.6300, -6.2266, -103.1615
Hunter-Lab	83.6698, -55.6452, 23.2829

# Details

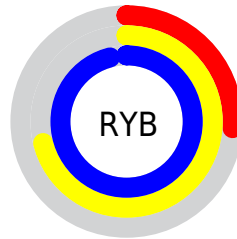
The CIELCh color **87, 65.808, 159.081** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **57, 72.307, 359.908**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 40.062, 175.654**, and **67, 61.434, 156.542** is the 20% darker color. If you saturate the color by 10%, you get **86, 71.779, 157.081**, and if you desaturate by 10%, it is **88, 58.861, 160.863**.

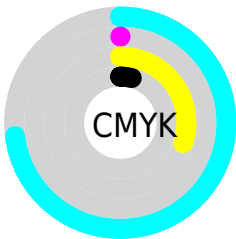
# Distribution



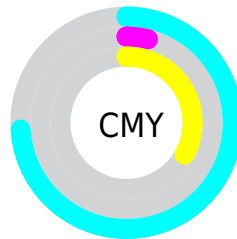
- Red (26%)
- Green (96%)
- Blue (67%)



- Red (26%)
- Yellow (71%)
- Blue (96%)



- Cyan (73%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (74%)
- Magenta (4%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 65.808, 159.081 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, 65.808, 159.081 by changing the saturation by 10% instead.





 87, 65.808,  
159.081


 87, 65.808,  
159.081


 100, 65.808,  
159.081


 77, 65.808,  
159.081

 67, 65.808,  
159.081

 57, 65.808,  
159.081

 47, 65.808,  
159.081

 37, 65.808,  
159.081


 27, 65.808,  
159.081


 17, 65.808,


159.081


 7, 65.808, 159.081


 0, 65.808, 159.081

 87, 65.808,  
159.081


 87, 65.808,  
159.081

 86, 71.779,  
157.081


 88, 58.861,  
160.863

 86, 76.801,  
154.873

 89, 50.999,  
162.444


 86, 79.814,  
153.299

 90, 42.351,  
163.846

 91, 33.079,  
165.095

 93, 23.358,

166.217

 94, 13.355,  
167.242

 96, 3.216, 168.281

 98, 4.798, 331.467

 98, 5.605, 324.582

# Harmonies

# Complementary

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



87, 65.808, 159.081



57, 72.307, 359.908

# Rectangle

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



87, 65.808, 159.081



87, 65.808, 209.081



87, 65.808, 339.081



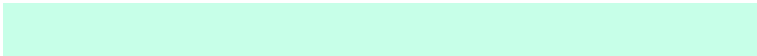
87, 65.808, 29.081

# Sweetspot

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



87, 65.809, 159.081



96, 22.854, 166.337



88, 92.547, 128.538



51, 15.321, 166.046



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, 65.809, 159.081



89, 76.454, 156.002



85, 41.860, 205.574



50, 5.745, 167.605



67, 64.212, 153.733



21, 26.758, 157.288



# Inverse Universe

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



57, 72.307, 359.908



56, 81.783, 5.375



57, 76.660, 34.504



48, 5.850, 349.207



40, 66.786, 10.080

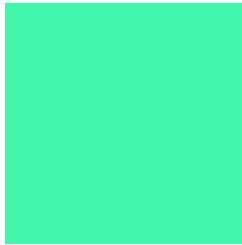


9, 29.716, 2.617



# Previews

## White Background



This preview shows how the CIELCh color 87, 65.808, 159.081 looks on a white background.

## Color Contrast Check

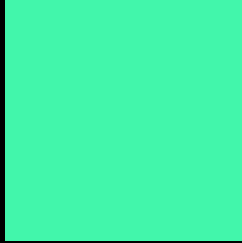
Large Text (above 18pt) WCAG AA × Fail

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, 65.808, 159.081 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, 65.808, 159.081**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 87, 65.808, 159.081.

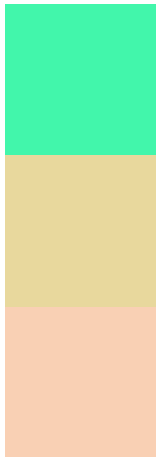


This preview shows how white text looks on a background with the CIELCh color 87, 65.808, 159.081.

# 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, 65.808, 159.081

**Protanopia**  
86, 31.288, 95.736

**Deuteranopia**  
86, 21.900, 61.719





**Tritanopia**  
87, 36.733, 213.132

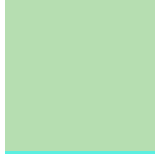
# Trichromacy



**Original Color**  
87, 65.808, 159.081



**Protanomaly**  
85, 39.628, 138.578



**Deuteranomaly**  
85, 27.923, 140.283



**Tritanomaly**  
87, 43.025, 185.995

# Monochromacy



**Original Color**  
87, 65.808, 159.081



**Achromatopsia**  
75, 0.009, 296.813



**Achromatomaly**  
78, 27.861, 164.839

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 65.808, 159.081 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(66, 246, 171)` looks like.

```
.text, #text, p{  
    color:rgb(66, 246, 171)  
}
```

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(66, 246, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 246, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 65.808, 159.081 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(66, 246, 171) }
```

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

```
.border{ border-color:rgb(66, 246, 171) }
```

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

Here you see how a box with a 4 pixel rgb(66, 246, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 246, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 246, 171);  
box-shadow:4px 4px 4px 4px rgb(66, 246,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 65.808, 159.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 246, 171) }
```

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

```
.background{ background-color: rgb(66, 246,  
171) }
```

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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