

# Converting Colors

CIELCh(86, 64.925, 161.652)

Have a look what the booklet for  
CIELCh(86, 64.925, 161.652)  
contains.

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**Color**

**CIELCh(86, 64.907, 161.669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31F3AE
RGB	49, 243, 174
RGB Percent	19%, 95%, 68%
CMY	0.8059, 0.0460, 0.3167
CMYK	0.80, 0.00, 0.28, 0.05
HSL	159°, 89%, 57%
HSV	159°, 80%, 95%
XYZ	41.0817, 67.9871, 51.1245
YIQ	177.1280, -93.4750, -62.5870

# Conversions

## Conversions Part 2

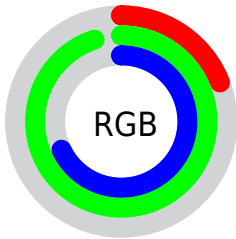
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 167, 243
Decimal	3273646
CIELab	86.00, -61.61, 20.41
CIELCh	86, 64.907, 161.669
Yxy	67.9871, 0.2565, 0.4244
Android (android.graphics.Color)	4281463726 (0xFF31F3AE)
YUV	177.1280, -1.5421, -112.3683
Hunter-Lab	82.4543, -55.3600, 20.9562

# Details

The CIELCh color **86, 64.907, 161.669** 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 **55, 74.979, 7.065**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 41.495, 178.576**, and **67, 58.767, 158.395** is the 20% darker color. If you saturate the color by 10%, you get **86, 69.594, 159.579**, and if you desaturate by 10%, it is **87, 59.266, 163.546**.

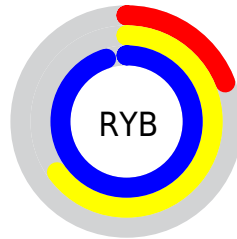
# Distribution



Red (19%)

Green (95%)

Blue (68%)



Red (19%)

Yellow (65%)

Blue (95%)

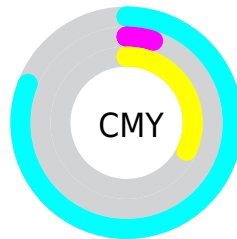


Cyan (80%)

Magenta (0%)

Yellow (28%)

Black (5%)



Cyan (81%)

Magenta (5%)

Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 64.907, 161.669 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, 64.907, 161.669 by changing the saturation by 10% instead.




 86, 64.907,  
161.669

 86, 64.907,  
161.669


 100, 64.907,  
161.669

 76, 64.907,  
161.669

 66, 64.907,  
161.669

 56, 64.907,  
161.669

 46, 64.907,  
161.669

 36, 64.907,  
161.669


 26, 64.907,  
161.669


 16, 64.907,


161.669


 6, 64.907, 161.669


 0, 64.907, 161.669


 86, 64.907,  
161.669


 86, 64.907,  
161.669


 86, 69.594,  
159.579


 87, 59.266,  
163.546

 85, 73.487,  
157.326

 87, 52.665,  
165.219


 85, 73.616,  
157.250

 88, 45.182,  
166.709

 89, 36.946,  
168.040

 91, 28.116,

169.240

 92, 18.859,  
170.333

 94, 9.328, 171.355

 96, 0.340, 350.652

 97, 6.197, 332.065

# Harmonies

# Complementary

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



86, 64.907, 161.669



55, 74.979, 7.065

# Rectangle

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



86, 64.907, 161.669



86, 64.907, 211.669



86, 64.907, 341.669



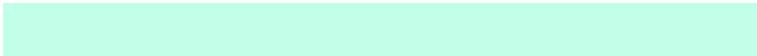
86, 64.907, 31.669

# Sweetspot

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



86, 64.907, 161.668



96, 23.813, 169.863



86, 99.111, 130.599



50, 16.286, 169.469



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, 64.907, 161.668



89, 74.829, 158.096



80, 40.615, 217.023



50, 5.518, 171.372



67, 59.791, 157.662



21, 25.083, 161.127



# Inverse Universe

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



55, 74.979, 7.065



54, 84.814, 14.914



56, 80.722, 39.009



48, 5.645, 353.022



39, 67.685, 15.918

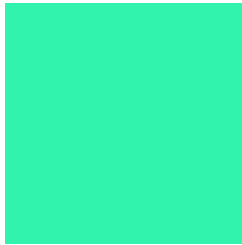


9, 29.614, 7.366



# Previews

## White Background



This preview shows how the CIELCh color 86, 64.907, 161.669 looks on a white background.

## Color Contrast Check

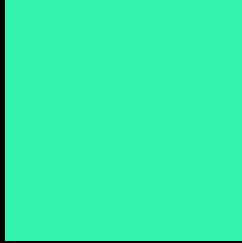
Large Text (above 18pt) WCAG AA × Fail

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, 64.907, 161.669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

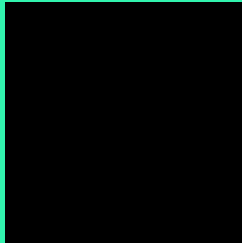
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 86, 64.907, 161.669**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 86, 64.907, 161.669.

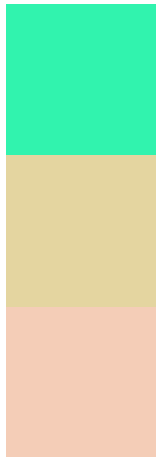


This preview shows how white text looks on a background with the CIELCh color 86, 64.907, 161.669.

# 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, 64.907, 161.669

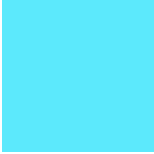
### Protanopia

85, 28.255, 95.575

### Deuteranopia

85, 19.185, 56.875





**Tritanopia**  
86, 38.113, 212.479

# Trichromacy



**Original Color**  
86, 64.907, 161.669



**Protanomaly**  
84, 38.316, 143.445



**Deuteranomaly**  
83, 26.682, 147.471

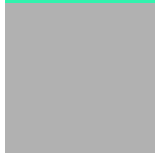


**Tritanomaly**  
86, 44.224, 187.563

# Monochromacy



**Original Color**  
86, 64.907, 161.669



**Achromatopsia**  
72, 0.009, 296.813



**Achromatomaly**  
76, 28.084, 168.621

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 64.907, 161.669 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(49, 243, 174)` looks like.

```
.text, #text, p{  
    color:rgb(49, 243, 174)  
}
```

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(49, 243, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 243, 174) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 64.907, 161.669 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(49, 243, 174) }
```

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

```
.border{ border-color:rgb(49, 243, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 243, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 243, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 243, 174);  
box-shadow:4px 4px 4px 4px rgb(49, 243,  
174) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 64.907, 161.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 243, 174) }
```

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

```
.background{ background-color: rgb(49, 243,  
174) }
```

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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