

Converting Colors

CIELCh(86, 66.107, 158.724)

Have a look what the booklet for
CIELCh(86, 66.107, 158.724)
contains.

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Color

CIELCh(86, 66.216, 158.649)

Conversions

Conversions Part 1

Format	Color
Hex	3EF3A7
RGB	62, 243, 167
RGB Percent	24%, 95%, 65%
CMY	0.7562, 0.0466, 0.3447
CMYK	0.74, 0.00, 0.31, 0.05
HSL	155°, 88%, 60%
HSV	155°, 74%, 95%
XYZ	41.0627, 67.9871, 47.5654
YIQ	180.2170, -83.4800, -62.0080

Conversions

Conversions Part 2

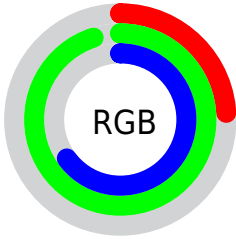
Format	Color
RYB	62, 177, 243
Decimal	4125607
CIELab	86.00, -61.67, 24.11
CIELCh	86, 66.216, 158.649
Yxy	67.9871, 0.2622, 0.4341
Android (android.graphics.Color)	4282315687 (0xFF3EF3A7)
YUV	180.2170, -6.5160, -103.6763
Hunter-Lab	82.4543, -55.4010, 23.5154

Details

The CIELCh color **86, 66.216, 158.649** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **56, 72.478, 0.014**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 42.082, 172.804**, and **67, 61.611, 155.938** is the 20% darker color. If you saturate the color by 10%, you get **86, 72.047, 156.623**, and if you desaturate by 10%, it is **87, 59.416, 160.457**.

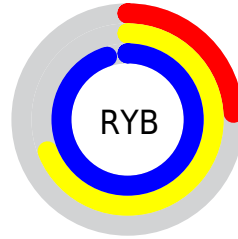
Distribution



Red (24%)

Green (95%)

Blue (65%)



Red (24%)

Yellow (69%)

Blue (95%)

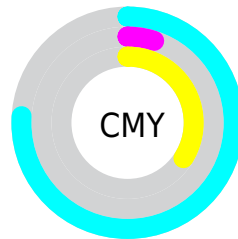


Cyan (74%)

Magenta (0%)

Yellow (31%)

Black (5%)



Cyan (76%)

Magenta (5%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 66.216, 158.649 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, 66.216, 158.649 by changing the saturation by 10% instead.


 86, 66.216,
158.649


 86, 66.216,
158.649


 100, 66.216,
158.649


 76, 66.216,
158.649

 66, 66.216,
158.649

 56, 66.216,
158.649


 46, 66.216,
158.649


 36, 66.216,
158.649


 26, 66.216,
158.649


 16, 66.216,


158.649


 6, 66.216, 158.649


 0, 66.216, 158.649


 86, 66.216,
158.649


 86, 66.216,
158.649


 86, 72.047,
156.623

 87, 59.416,
160.457

 85, 76.948,
154.391

 88, 51.700,
162.061


 85, 79.388,
153.111

 89, 43.188,
163.483

 90, 34.040,
164.748

 91, 24.429,

165.884

 93, 14.520,
166.916

 95, 4.463, 167.922

 97, 5.129, 345.129

 97, 7.407, 324.658

Harmonies

Complementary

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



86, 66.216, 158.649



56, 72.478, 0.014

Rectangle

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



86, 66.216, 158.649



86, 66.216, 208.649



86, 66.216, 338.649



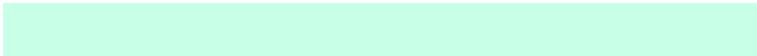
86, 66.216, 28.649

Sweetspot

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



86, 66.217, 158.649



96, 22.911, 166.137



87, 92.816, 128.552



51, 15.360, 165.846



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, 66.217, 158.649



89, 77.251, 155.576



84, 41.764, 205.647



50, 5.759, 167.403



67, 64.461, 153.529



21, 26.853, 157.087

Inverse Universe

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



56, 72.478, 0.014



56, 82.121, 5.509



56, 77.371, 34.826



48, 5.862, 349.002



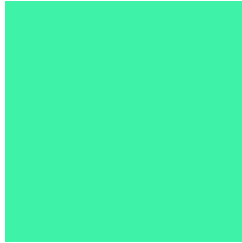
40, 66.760, 9.750



9, 29.728, 2.337

Previews

White Background



This preview shows how the CIELCh color 86, 66.216, 158.649 looks on a white background.

Color Contrast Check

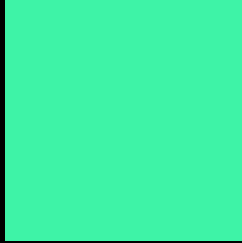
Large Text (above 18pt) WCAG AA × Fail

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, 66.216, 158.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

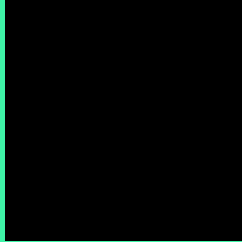
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 66.216, 158.649

Background



This preview shows how black text looks on a background with the CIELCh color 86, 66.216, 158.649.

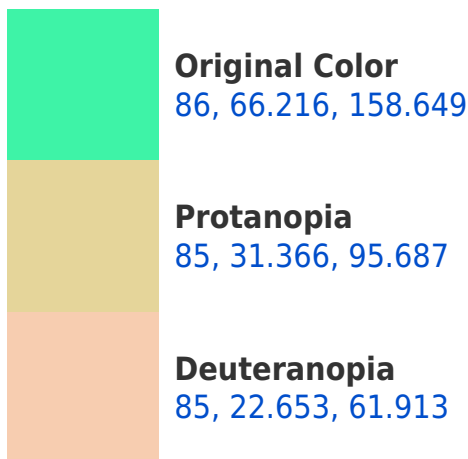


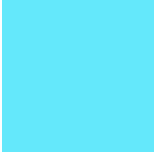
This preview shows how white text looks on a background with the CIELCh color 86, 66.216, 158.649.

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





Tritanopia
86, 36.652, 213.196

Trichromacy



Original Color
86, 66.216, 158.649



Protanomaly
84, 39.919, 138.966



Deuteranomaly
84, 28.247, 139.117

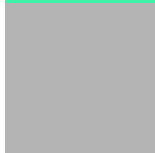


Tritanomaly
86, 43.308, 185.279

Monochromacy



Original Color
86, 66.216, 158.649



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 27.943, 164.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 66.216, 158.649 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(62, 243, 167)` looks like.

```
.text, #text, p{  
    color:rgb(62, 243, 167)  
}
```

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(62, 243, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 243, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 66.216, 158.649 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(62, 243, 167) }
```

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

```
.border{ border-color:rgb(62, 243, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 243, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 243, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 243, 167);  
box-shadow:4px 4px 4px 4px rgb(62, 243,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 66.216, 158.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 243, 167) }
```

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

```
.background{ background-color: rgb(62, 243,  
167) }
```

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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