

Converting Colors

CIELCh(86, 66.061, 156.404)

Have a look what the booklet for
CIELCh(86, 66.061, 156.404)
contains.

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Color

CIELCh(86, 66.188, 156.481)

Conversions

Conversions Part 1

Format	Color
Hex	4BF3A3
RGB	75, 243, 163
RGB Percent	29%, 95%, 64%
CMY	0.7078, 0.0485, 0.3621
CMYK	0.69, 0.00, 0.33, 0.05
HSL	151°, 87%, 62%
HSV	151°, 69%, 95%
XYZ	41.3835, 67.9871, 45.4312
YIQ	183.6480, -74.4480, -60.4960

Conversions

Conversions Part 2

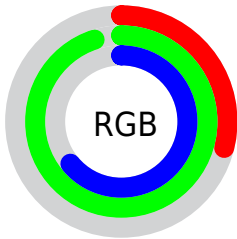
Format	Color
RYB	75, 185, 243
Decimal	4977571
CIELab	86.00, -60.69, 26.41
CIELCh	86, 66.188, 156.481
Yxy	67.9871, 0.2673, 0.4392
Android (android.graphics.Color)	4283167651 (0xFF4BF3A3)
YUV	183.6480, -10.1795, -95.2843
Hunter-Lab	82.4543, -54.7065, 25.0500

Details

The CIELCh color **86, 66.188, 156.481** 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 **58, 70.215, 354.404**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 41.452, 169.332**, and **67, 63.185, 154.562** is the 20% darker color. If you saturate the color by 10%, you get **85, 73.062, 154.557**, and if you desaturate by 10%, it is **87, 58.357, 158.189**.

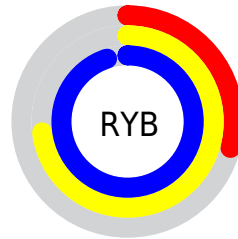
Distribution



Red (29%)

Green (95%)

Blue (64%)



Red (29%)

Yellow (73%)

Blue (95%)

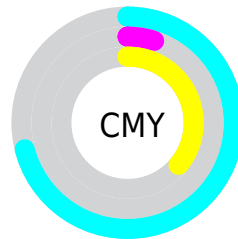


Cyan (69%)

Magenta (0%)

Yellow (33%)

Black (5%)



Cyan (71%)


Magenta (5%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 66.188, 156.481 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, 66.188, 156.481 by changing the saturation by 10% instead.


 86, 66.188,
156.481


 86, 66.188,
156.481


 100, 66.188,
156.481


 76, 66.188,
156.481

 66, 66.188,
156.481

 56, 66.188,
156.481

 46, 66.188,
156.481

 36, 66.188,
156.481


 26, 66.188,
156.481


 16, 66.188,


156.481


 6, 66.188, 156.481


 0, 66.188, 156.481

 86, 66.188,
156.481


 86, 66.188,
156.481

 85, 73.062,
154.557

 87, 58.357,
158.189


 85, 78.952,
152.420

 88, 49.671,
159.697

 85, 83.981,
150.129

 89, 40.287,
161.028

 85, 84.326,
149.970

 90, 30.384,
162.208

 92, 20.139,

163.265

 94, 9.714, 164.233

 96, 0.754, 344.401

 97, 7.705, 324.673

 97, 7.706, 324.670

Harmonies

Complementary

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



86, 66.188, 156.481



58, 70.215, 354.404

Rectangle

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



86, 66.188, 156.481



86, 66.188, 206.481



86, 66.188, 336.481



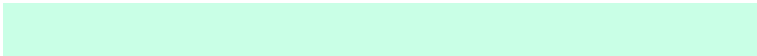
86, 66.188, 26.481

Sweetspot

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



86, 66.189, 156.481



96, 22.812, 163.086



88, 86.565, 126.881



51, 15.416, 162.799



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, 66.189, 156.481



89, 78.392, 153.740



87, 42.626, 198.713



50, 5.988, 164.213



67, 68.545, 150.384



21, 28.424, 153.967

Inverse Universe

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



58, 70.215, 354.404



57, 80.751, 358.394



57, 73.309, 31.140



48, 6.074, 345.750



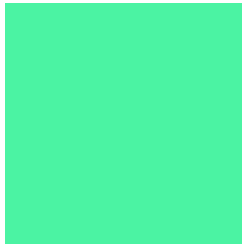
40, 66.704, 4.349



9, 30.050, 357.814

Previews

White Background



This preview shows how the CIELCh color 86, 66.188, 156.481 looks on a white background.

Color Contrast Check

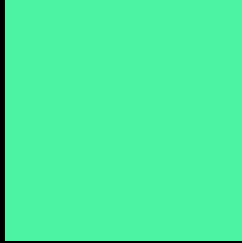
Large Text (above 18pt) WCAG AA × Fail

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, 66.188, 156.481 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, 66.188, 156.481

Background



This preview shows how black text looks on a background with the CIELCh color 86, 66.188, 156.481.

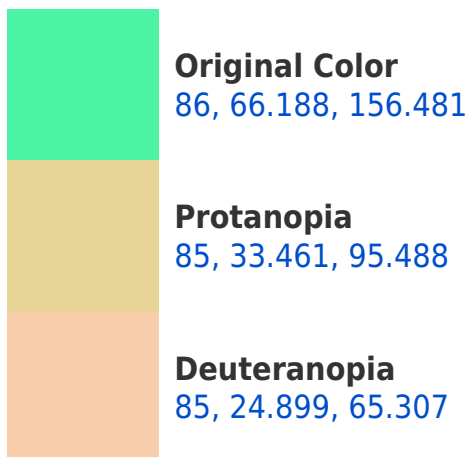


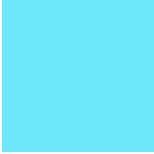
This preview shows how white text looks on a background with the CIELCh color 86, 66.188, 156.481.

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, 35.056, 213.115

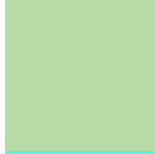
Trichromacy



Original Color
86, 66.188, 156.481



Protanomaly
84, 40.770, 135.424



Deuteranomaly
84, 29.640, 133.613



Tritanomaly
86, 42.056, 183.552

Monochromacy



Original Color
86, 66.188, 156.481



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 26.913, 162.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 66.188, 156.481 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(75, 243, 163)` looks like.

```
.text, #text, p{  
    color:rgb(75, 243, 163)  
}
```

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(75, 243, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 243, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 66.188, 156.481 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(75, 243, 163) }
```

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

```
.border{ border-color:rgb(75, 243, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 243, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 243, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 243, 163);  
box-shadow:4px 4px 4px 4px rgb(75, 243,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 66.188, 156.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 243, 163) }
```

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

```
.background{ background-color: rgb(75, 243,  
163) }
```

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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