

Converting Colors

CIELCh(86, 96.944, 132.666)

Have a look what the booklet for
CIELCh(86, 96.944, 132.666)
contains.

CIELCh(86, 96.933, 132.708)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 96.933, 132.708)

Conversions

Conversions Part 1

Format	Color
Hex	71F33E
RGB	113, 243, 62
RGB Percent	44%, 95%, 24%
CMY	0.5567, 0.0469, 0.7567
CMYK	0.53, 0.00, 0.74, 0.05
HSL	103°, 88%, 60%
HSV	103°, 74%, 95%
XYZ	39.7491, 67.9871, 15.5914
YIQ	183.4960, -19.3790, -83.8510

Conversions

Conversions Part 2

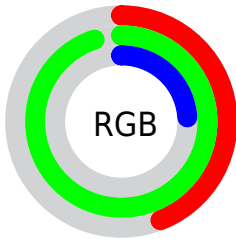
Format	Color
RYB	62, 243, 192
Decimal	7467838
CIELab	86.00, -65.75, 71.23
CIELCh	86, 96.933, 132.708
Yxy	67.9871, 0.3223, 0.5513
Android (android.graphics.Color)	4285657918 (0xFF71F33E)
YUV	183.4960, -59.8975, -61.8250
Hunter-Lab	82.4543, -58.2448, 46.5068

Details

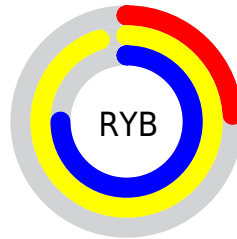
The CIELCh color **86, 96.933, 132.708** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **53, 100.710, 318.811**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 72.690, 129.920**, and **66, 92.640, 134.540** is the 20% darker color. If you saturate the color by 10%, you get **85, 104.867, 132.779**, and if you desaturate by 10%, it is **87, 86.739, 132.974**.

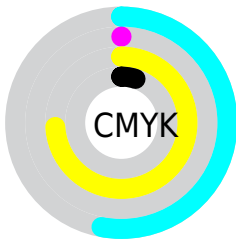
Distribution



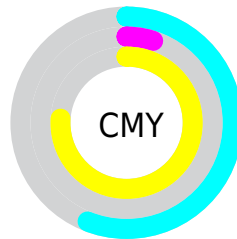
- Red (44%)
- Green (95%)
- Blue (24%)



- Red (24%)
- Yellow (95%)
- Blue (75%)



- Cyan (53%)
- Magenta (0%)
- Yellow (74%)
- Black (5%)





- Cyan (56%)
- Magenta (5%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 96.933, 132.708 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, 96.933, 132.708 by changing the saturation by 10% instead.


 86, 96.933,
132.708


 86, 96.933,
132.708


 100, 96.933,
132.708


 76, 96.933,
132.708

 66, 96.933,
132.708

 56, 96.933,
132.708

 46, 96.933,
132.708

 36, 96.933,
132.708


 26, 96.933,
132.708


 16, 96.933,


132.708


 6, 96.933, 132.708


 0, 96.933, 132.708

 86, 96.933,
132.708


 86, 96.933,
132.708


 85, 104.867,
132.779


 87, 86.739,
132.974

 85, 110.086,
133.284

 88, 74.901,
133.442


 85, 111.995,
133.679

 89, 61.970,
134.003

 90, 48.371,
134.586

 92, 34.412,

135.147

 93, 20.316,
135.667

 95, 6.242, 136.154

 97, 7.024, 319.209

 97, 7.448, 324.659

Harmonies

Complementary

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



86, 96.933, 132.708



53, 100.710, 318.811

Rectangle

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



86, 96.933, 132.708



86, 96.933, 182.708



86, 96.933, 312.708



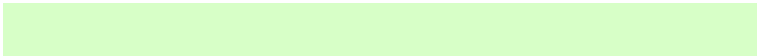
86, 96.933, 2.708

Sweetspot

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



86, 96.933, 132.709



96, 32.165, 135.276



80, 68.696, 84.830



51, 21.613, 135.130



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, 96.933, 132.709



89, 111.689, 132.963



85, 90.755, 142.911



50, 8.010, 135.910



66, 91.454, 133.480



21, 38.770, 132.825

Inverse Universe

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



53, 100.710, 318.811



51, 115.547, 318.439



59, 87.024, 336.611



48, 8.071, 316.694



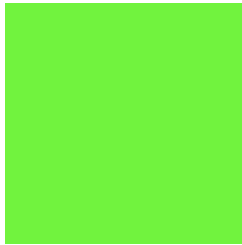
35, 94.217, 317.942



7, 41.525, 319.124

Previews

White Background



This preview shows how the CIELCh color 86, 96.933, 132.708 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, 96.933, 132.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

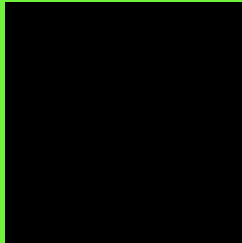
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

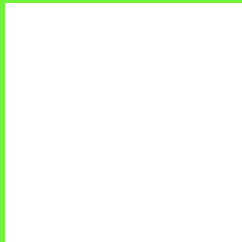
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 96.933, 132.708

Background



This preview shows how black text looks on a background with the CIELCh color 86, 96.933, 132.708.

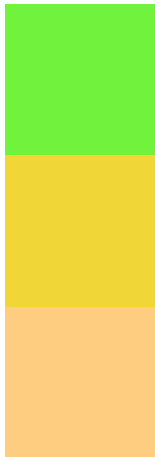


This preview shows how white text looks on a background with the CIELCh color 86, 96.933, 132.708.

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, 96.933, 132.708

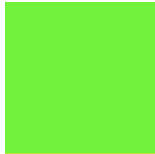
Protanopia
85, 75.913, 95.120

Deuteranopia
85, 46.073, 79.439



Tritanopia
86, 26.137, 219.281

Trichromacy



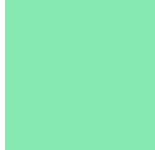
Original Color
86, 96.933, 132.708



Protanomaly
85, 79.111, 113.106



Deuteranomaly
84, 58.580, 111.679

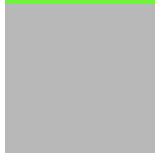


Tritanomaly
85, 44.839, 156.606

Monochromacy



Original Color
86, 96.933, 132.708



Achromatopsia
75, 0.009, 296.813



Achromatomaly
78, 38.852, 134.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 96.933, 132.708 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(113, 243, 62)` looks like.

```
.text, #text, p{  
    color:rgb(113, 243, 62)  
}
```

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(113, 243, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 243, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 96.933, 132.708 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(113, 243, 62) }
```

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

```
.border{ border-color:rgb(113, 243, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 243, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 243, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 243, 62);  
box-shadow:4px 4px 4px 4px rgb(113, 243,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 96.933, 132.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 243, 62) }
```

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

```
.background{ background-color: rgb(113,  
243, 62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor