

Converting Colors

CIELCh(86, 77.234, 133.551)

Have a look what the booklet for
CIELCh(86, 77.234, 133.551)
contains.

CIELCh(86, 77.624, 133.610)	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, 77.624, 133.610)

Conversions

Conversions Part 1

Format	Color
Hex	8BEF66
RGB	139, 239, 102
RGB Percent	55%, 94%, 40%
CMY	0.4560, 0.0638, 0.6010
CMYK	0.42, 0.00, 0.57, 0.06
HSL	104°, 81%, 67%
HSV	104°, 57%, 94%
XYZ	43.7700, 67.9871, 23.3184
YIQ	193.4820, -15.6230, -63.8070

Conversions

Conversions Part 2

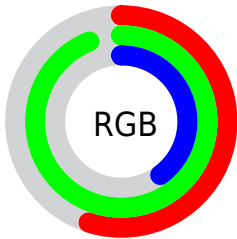
Format	Color
RYB	102, 239, 202
Decimal	9170790
CIELab	86.00, -53.54, 56.20
CIElCh	86, 77.624, 133.610
Yxy	67.9871, 0.3240, 0.5033
Android (android.graphics.Color)	4287360870 (0xFF8BEF66)
YUV	193.4820, -45.1006, -47.7807
Hunter-Lab	82.4543, -49.5402, 40.9506

Details

The CIELCh color **86, 77.624, 133.610** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **60, 80.273, 318.980**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 53.895, 130.406**, and **66, 77.581, 133.596** is the 20% darker color. If you saturate the color by 10%, you get **85, 88.916, 133.167**, and if you desaturate by 10%, it is **87, 65.104, 134.171**.

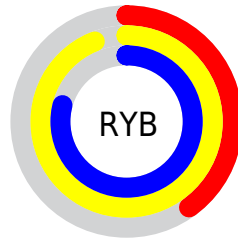
Distribution



Red (55%)

Green (94%)

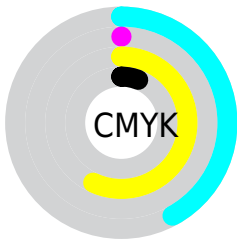
Blue (40%)



Red (40%)

Yellow (94%)

Blue (79%)

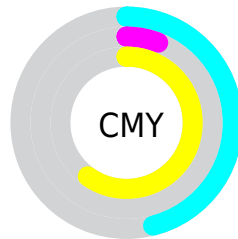


Cyan (42%)

Magenta (0%)

Yellow (57%)

Black (6%)



Cyan (46%)

Magenta (6%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 77.624, 133.610 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, 77.624, 133.610 by changing the saturation by 10% instead.


 86, 77.624,
133.610


 86, 77.624,
133.610


 100, 77.624,
133.610


 76, 77.624,
133.610

 66, 77.624,
133.610

 56, 77.624,
133.610

 46, 77.624,
133.610

 36, 77.624,
133.610


 26, 77.624,
133.610


 16, 77.624,


133.610


 6, 77.624, 133.610

 0, 77.624, 133.610


 86, 77.624,
133.610


 86, 77.624,
133.610

 85, 88.916,
133.167


 87, 65.104,
134.171


 84, 98.403,
132.957


 88, 51.809,
134.765


 84, 105.489,
133.113

 90, 38.078,
135.344

 83, 109.866,
133.695

 91, 24.155,
135.883


 83, 110.735,

 93, 10.214,

133.859

136.378

 95, 3.618, 316.724

 96, 10.150,
324.764

Harmonies

Complementary

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



86, 77.624, 133.610



60, 80.273, 318.980

Rectangle

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



86, 77.624, 133.610



86, 77.624, 183.610



86, 77.624, 313.610



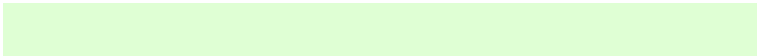
86, 77.624, 3.610

Sweetspot

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



86, 77.625, 133.611



97, 24.922, 135.900



82, 53.492, 87.400



51, 16.677, 135.795



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, 77.625, 133.611



90, 95.492, 133.106



85, 72.240, 145.561



49, 7.899, 136.277



66, 90.730, 133.665



20, 37.456, 133.326

Inverse Universe

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



60, 80.273, 318.980



58, 98.907, 319.173



64, 71.627, 335.142



47, 7.958, 317.064



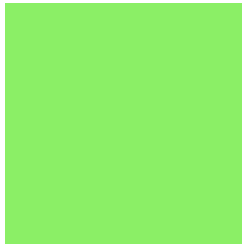
35, 93.057, 318.335



7, 40.100, 319.457

Previews

White Background



This preview shows how the CIELCh color 86, 77.624, 133.610 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, 77.624, 133.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

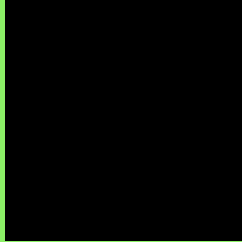
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 77.624, 133.610

Background



This preview shows how black text looks on a background with the CIELCh color 86, 77.624, 133.610.

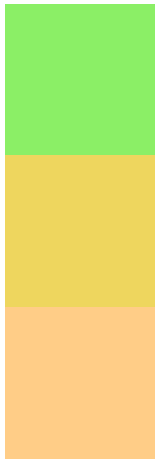


This preview shows how white text looks on a background with the CIELCh color 86, 77.624, 133.610.

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, 77.624, 133.610

Protanopia
86, 61.071, 95.290

Deuteranopia
85, 42.425, 77.519



Tritanopia
86, 21.231, 224.883

Trichromacy



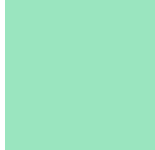
Original Color
86, 77.624, 133.610



Protanomaly
85, 63.139, 112.799



Deuteranomaly
85, 48.016, 107.989

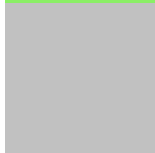


Tritanomaly
85, 33.122, 160.196

Monochromacy



Original Color
86, 77.624, 133.610



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 29.935, 135.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 77.624, 133.610 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(139, 239, 102)` looks like.

```
.text, #text, p{  
    color:rgb(139, 239, 102)  
}
```

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(139, 239, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 239, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 77.624, 133.610 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(139, 239, 102) }
```

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

```
.border{ border-color:rgb(139, 239, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 239, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 239, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 239, 102);  
box-shadow:4px 4px 4px 4px rgb(139, 239,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 77.624, 133.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 239, 102) }
```

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

```
.background{ background-color: rgb(139,  
239, 102) }
```

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