

Converting Colors

CIELCh(88, 66.293, 134.233)

Have a look what the booklet for
CIELCh(88, 66.293, 134.233)
contains.

CIELCh(88, 66.603, 134.212)	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(88, 66.603, 134.212)

Conversions

Conversions Part 1

Format	Color
Hex	9DF27E
RGB	157, 242, 126
RGB Percent	62%, 95%, 49%
CMY	0.3849, 0.0516, 0.5064
CMYK	0.35, 0.00, 0.48, 0.05
HSL	104°, 82%, 72%
HSV	104°, 48%, 95%
XYZ	49.3360, 72.0653, 30.9997
YIQ	203.3610, -13.4240, -54.0960

Conversions

Conversions Part 2

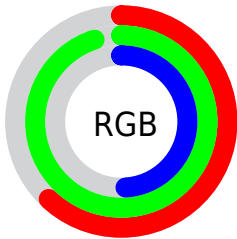
Format	Color
RYB	126, 242, 211
Decimal	10351230
CIELab	88.00, -46.44, 47.74
CIElCh	88, 66.603, 134.212
Yxy	72.0653, 0.3237, 0.4729
Android (android.graphics.Color)	4288541310 (0xFF9DF27E)
YUV	203.3610, -38.1390, -40.6586
Hunter-Lab	84.8913, -44.8214, 37.7730

Details

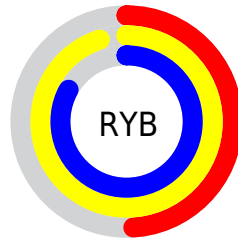
The CIELCh color **88, 66.603, 134.212** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66, 68.602, 318.782**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 40.308, 129.133**, and **68, 66.267, 134.213** is the 20% darker color. If you saturate the color by 10%, you get **87, 79.205, 133.653**, and if you desaturate by 10%, it is **89, 53.195, 134.810**.

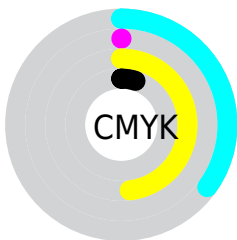
Distribution



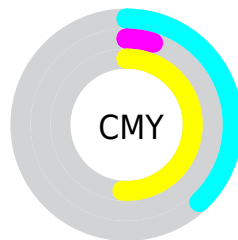
- Red (62%)
- Green (95%)
- Blue (49%)



- Red (49%)
- Yellow (95%)
- Blue (83%)



- Cyan (35%)
- Magenta (0%)
- Yellow (48%)
- Black (5%)




- Cyan (38%)
- Magenta (5%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 66.603, 134.212 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 88, 66.603, 134.212 by changing the saturation by 10% instead.


 88, 66.603,
134.212


 88, 66.603,
134.212


 100, 66.603,
134.212


 78, 66.603,
134.212

 68, 66.603,
134.212

 58, 66.603,
134.212

 48, 66.603,
134.212

 38, 66.603,
134.212


 28, 66.603,
134.212


 18, 66.603,


134.212


 8, 66.603, 134.212


 0, 66.603, 134.212


 88, 66.603,
134.212


 88, 66.603,
134.212


 87, 79.205,
133.653


 89, 53.195,
134.810


 86, 90.526,
133.214


 91, 39.325,
135.394

 85, 99.978,
133.017

 92, 25.248,
135.938

 85, 106.966,
133.192

 94, 11.145,
136.436

 84, 111.228,

 96, 2.854, 316.771

133.786

97, 8.196, 324.689

84, 111.903,
133.910

Harmonies

Complementary

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



88, 66.603, 134.212



66, 68.602, 318.782

Rectangle

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



88, 66.603, 134.212



88, 66.603, 184.212



88, 66.603, 314.212



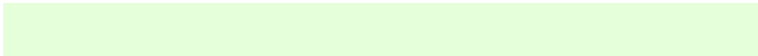
88, 66.603, 4.212

Sweetspot

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



88, 66.604, 134.213



97, 20.522, 136.138



85, 45.278, 88.717



52, 14.178, 136.028



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 66.604, 134.213



91, 82.703, 133.642



87, 62.014, 146.809



49, 7.906, 136.363



66, 90.782, 133.710



20, 37.482, 133.384

Inverse Universe

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



66, 68.602, 318.782



64, 85.493, 319.087



69, 62.018, 334.410



47, 7.964, 317.151



35, 93.012, 318.426



7, 40.098, 319.546

Previews

White Background



This preview shows how the CIELCh color 88, 66.603, 134.212 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 88, 66.603, 134.212 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

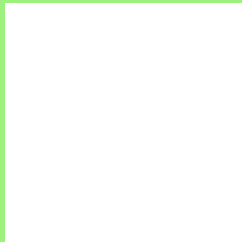
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 66.603, 134.212

Background



This preview shows how black text looks on a background with the CIELCh color 88, 66.603, 134.212.

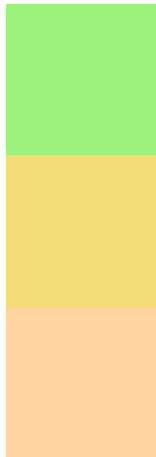


This preview shows how white text looks on a background with the CIELCh color 88, 66.603, 134.212.

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


88, 66.603, 134.212

Protanopia

88, 52.627, 95.706

Deuteranopia

87, 31.963, 75.051

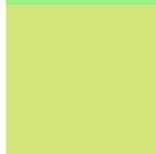


Tritanopia
88, 18.880, 230.414

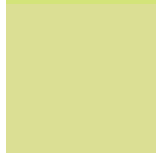
Trichromacy



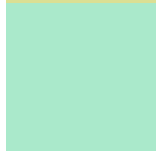
Original Color
88, 66.603, 134.212



Protanomaly
87, 54.300, 113.004



Deuteranomaly
87, 38.529, 109.300

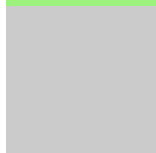


Tritanomaly
88, 27.208, 162.437

Monochromacy



Original Color
88, 66.603, 134.212



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 24.965, 136.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 66.603, 134.212 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(157, 242, 126)` looks like.

```
.text, #text, p{  
    color:rgb(157, 242, 126)  
}
```

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(157, 242, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 242, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 66.603, 134.212 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(157, 242, 126) }
```

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

```
.border{ border-color:rgb(157, 242, 126) }
```

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

Here you see how a box with a 4 pixel rgb(157, 242, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 242, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 242, 126);  
box-shadow:4px 4px 4px 4px rgb(157, 242,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 66.603, 134.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 242, 126) }
```

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

```
.background{ background-color: rgb(157,  
242, 126) }
```

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