

Converting Colors

CIELCh(89, 60.698, 144.067)

Have a look what the booklet for
CIELCh(89, 60.698, 144.067)
contains.

CIELCh(89, 60.463, 144.011)	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(89, 60.463, 144.011)

Conversions

Conversions Part 1

Format	Color
Hex	8EF699
RGB	142, 246, 153
RGB Percent	56%, 96%, 60%
CMY	0.4421, 0.0342, 0.3990
CMYK	0.42, 0.00, 0.38, 0.03
HSL	126°, 86%, 76%
HSV	126°, 42%, 97%
XYZ	50.0136, 74.1641, 41.9276
YIQ	204.3020, -32.1310, -50.9710

Conversions

Conversions Part 2

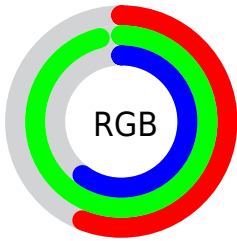
Format	Color
RYB	142, 236, 246
Decimal	9369241
CIELab	89.00, -48.92, 35.53
CIELCh	89, 60.463, 144.011
Yxy	74.1641, 0.3011, 0.4465
Android (android.graphics.Color)	4287559321 (0xFF8EF699)
YUV	204.3020, -25.2919, -54.6389
Hunter-Lab	86.1186, -47.0433, 31.4171

Details

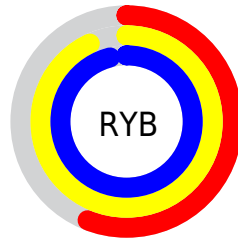
The CIELCh color **89, 60.463, 144.011** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **73, 60.336, 329.939**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 31.152, 147.197**, and **69, 60.345, 144.010** is the 20% darker color. If you saturate the color by 10%, you get **88, 73.706, 142.842**, and if you desaturate by 10%, it is **91, 46.492, 145.037**.

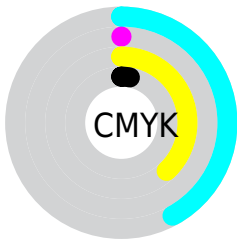
Distribution



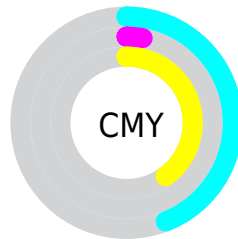
- Red (56%)
- Green (96%)
- Blue (60%)



- Red (56%)
- Yellow (93%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (38%)
- Black (3%)





- Cyan (44%)
- Magenta (3%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 60.463, 144.011 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 89, 60.463, 144.011 by changing the saturation by 10% instead.


 89, 60.463,
144.011


 89, 60.463,
144.011


 100, 60.463,
144.011


 79, 60.463,
144.011

 69, 60.463,
144.011

 59, 60.463,
144.011

 49, 60.463,
144.011

 39, 60.463,
144.011


 29, 60.463,
144.011


 19, 60.463,


144.011


 9, 60.463, 144.011

 0, 60.463, 144.011


 89, 60.463,
144.011


 89, 60.463,
144.011

 88, 73.706,
142.842


 91, 46.492,
145.037

 87, 85.835,
141.544


 92, 32.118,
145.923

 86, 96.431,
140.162

 94, 17.613,
146.687


 86, 105.061,
138.784

 96, 3.183, 147.417

 85, 111.335,

 98, 5.428, 324.574

137.539

 85, 114.492,
136.789

Harmonies

Complementary

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



89, 60.463, 144.011



73, 60.336, 329.939

Rectangle

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



89, 60.463, 144.011



89, 60.463, 194.011



89, 60.463, 324.011



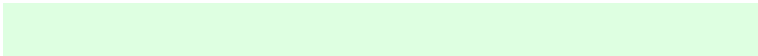
89, 60.463, 14.011

Sweetspot

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



89, 60.464, 144.011



97, 19.263, 146.631



94, 52.075, 110.668



51, 13.493, 146.469



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 60.464, 144.011



91, 74.178, 142.982



90, 40.971, 164.964



50, 8.130, 146.880



66, 92.383, 136.972



20, 38.940, 139.380

Inverse Universe

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



73, 60.336, 329.939



71, 73.647, 330.453



71, 44.523, 354.297



48, 8.146, 327.972



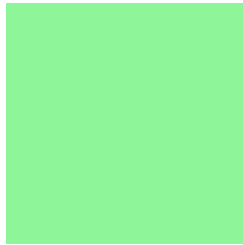
43, 83.971, 332.943



10, 37.745, 332.256

Previews

White Background



This preview shows how the CIELCh color 89, 60.463, 144.011 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 89, 60.463, 144.011 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 89, 60.463, 144.011

Background



This preview shows how black text looks on a background with the CIELCh color 89, 60.463, 144.011.

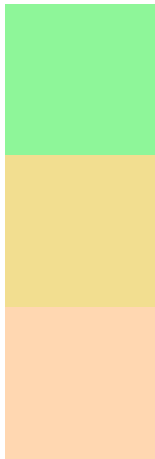


This preview shows how white text looks on a background with the CIELCh color 89, 60.463, 144.011.

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
89, 60.463, 144.011

Protanopia
89, 40.891, 95.312

Deuteranopia
88, 25.461, 70.236

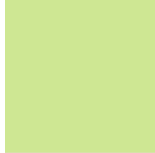


Tritanopia
89, 23.825, 222.877

Trichromacy



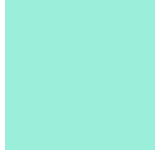
Original Color
89, 60.463, 144.011



Protanomaly
88, 43.936, 119.588



Deuteranomaly
88, 30.265, 116.516

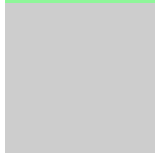


Tritanomaly
89, 29.848, 175.824

Monochromacy



Original Color
89, 60.463, 144.011



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 22.751, 146.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 60.463, 144.011 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(142, 246, 153)` looks like.

```
.text, #text, p{  
    color:rgb(142, 246, 153)  
}
```

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(142, 246, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 246, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 60.463, 144.011 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(142, 246, 153) }
```

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

```
.border{ border-color:rgb(142, 246, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 246, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 246, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 246, 153);  
box-shadow:4px 4px 4px 4px rgb(142, 246,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 60.463, 144.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 246, 153) }
```

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

```
.background{ background-color: rgb(142,  
246, 153) }
```

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