

Converting Colors

CIELCh(89, 58.983, 135.333)

Have a look what the booklet for
CIELCh(89, 58.983, 135.333)
contains.

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Color

CIElCh(89, 58.850, 135.425)

Conversions

Conversions Part 1

Format	Color
Hex	A6F38E
RGB	166, 243, 142
RGB Percent	65%, 95%, 56%
CMY	0.3490, 0.0470, 0.4431
CMYK	0.32, 0.00, 0.42, 0.05
HSL	106°, 81%, 75%
HSV	106°, 42%, 95%
XYZ	52.6615, 74.1641, 37.1321
YIQ	208.4630, -13.4710, -47.7350

Conversions

Conversions Part 2

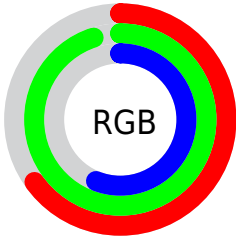
Format	Color
RYB	142, 243, 219
Decimal	10941326
CIELab	89.00, -41.92, 41.30
CIElCh	89, 58.850, 135.425
Yxy	74.1641, 0.3212, 0.4523
Android (android.graphics.Color)	4289131406 (0xFFA6F38E)
YUV	208.4630, -32.7663, -37.2401
Hunter-Lab	86.1186, -41.5549, 34.7187

Details

The CIELCh color **89, 58.850, 135.425** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70, 60.187, 319.466**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 31.726, 129.827**, and **69, 58.534, 135.337** is the 20% darker color. If you saturate the color by 10%, you get **88, 72.170, 134.795**, and if you desaturate by 10%, it is **90, 44.938, 136.048**.

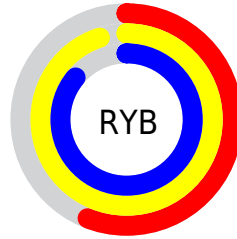
Distribution



Red (65%)

Green (95%)

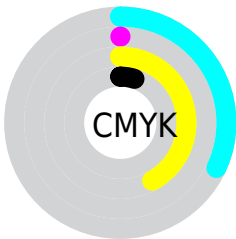
Blue (56%)



Red (56%)

Yellow (95%)

Blue (86%)

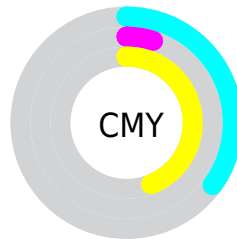


Cyan (32%)

Magenta (0%)

Yellow (42%)

Black (5%)



Cyan (35%)

Magenta (5%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 58.850, 135.425 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, 58.850, 135.425 by changing the saturation by 10% instead.

■ 89, 58.850,
135.425

■ 89, 58.850,
135.425

■ 100, 58.850,
135.425

■ 79, 58.850,
135.425

■ 69, 58.850,
135.425

■ 59, 58.850,
135.425

■ 49, 58.850,
135.425

■ 39, 58.850,
135.425


■ 29, 58.850,
135.425


■ 19, 58.850,


135.425

 9, 58.850, 135.425


 0, 58.850, 135.425


 89, 58.850,
135.425


 89, 58.850,
135.425


 88, 72.170,
134.795


 90, 44.938,
136.048

 87, 84.493,
134.215


 92, 30.726,
136.630

 86, 95.292,
133.785

 94, 16.429,
137.160


 85, 103.945,
133.633

 96, 2.200, 137.712

 85, 109.908,

 97, 7.470, 324.660

133.878

 84, 112.933,
134.344

Harmonies

Complementary

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



89, 58.850, 135.425



70, 60.187, 319.466

Rectangle

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



89, 58.850, 135.425



89, 58.850, 185.425



89, 58.850, 315.425



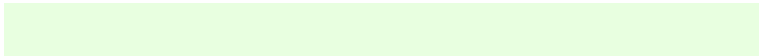
89, 58.850, 5.425

Sweetspot

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



89, 58.852, 135.426



98, 17.732, 137.136



87, 40.457, 92.041



52, 11.768, 137.069



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, 58.852, 135.426



92, 72.922, 134.884



88, 53.015, 148.728



50, 8.114, 137.264



66, 92.253, 134.169



21, 39.171, 133.702

Inverse Universe

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



70, 60.187, 319.466



68, 74.803, 319.774



72, 53.323, 335.286



48, 8.167, 318.068



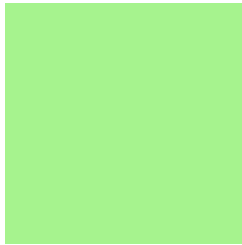
37, 93.509, 319.403



8, 41.365, 320.480

Previews

White Background



This preview shows how the CIELCh color 89, 58.850, 135.425 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, 58.850, 135.425 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, 58.850, 135.425

Background



This preview shows how black text looks on a background with the CIELCh color 89, 58.850, 135.425.

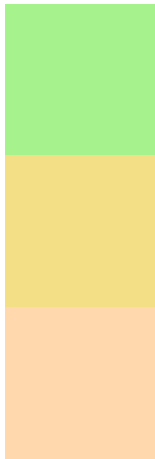


This preview shows how white text looks on a background with the CIELCh color 89, 58.850, 135.425.

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, 58.850, 135.425

Protanopia
89, 46.202, 96.097

Deuteranopia
89, 26.908, 73.327

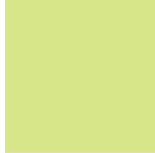


Tritanopia
89, 17.617, 233.007

Trichromacy



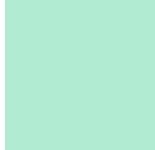
Original Color
89, 58.850, 135.425



Protanomaly
88, 47.537, 113.544



Deuteranomaly
88, 32.922, 109.483

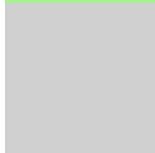


Tritanomaly
89, 24.204, 165.220

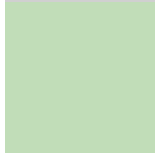
Monochromacy



Original Color
89, 58.850, 135.425



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 22.028, 136.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 58.850, 135.425 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(166, 243, 142)` looks like.

```
.text, #text, p{  
    color:rgb(166, 243, 142)  
}
```

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(166, 243, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 243, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 58.850, 135.425 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(166, 243, 142) }
```

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

```
.border{ border-color:rgb(166, 243, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 243, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 243, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 243, 142);  
box-shadow:4px 4px 4px 4px rgb(166, 243,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 58.850, 135.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 243, 142) }
```

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

```
.background{ background-color: rgb(166,  
243, 142) }
```

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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