

Converting Colors

CIELCh(87, 46.322, 139.972)

Have a look what the booklet for
CIELCh(87, 46.322, 139.972)
contains.

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Color

CIELCh(87, 46.267, 139.916)

Conversions

Conversions Part 1

Format	Color
Hex	A7EBA0
RGB	167, 235, 160
RGB Percent	65%, 92%, 63%
CMY	0.3460, 0.0793, 0.3734
CMYK	0.29, 0.00, 0.32, 0.08
HSL	114°, 65%, 77%
HSV	114°, 32%, 92%
XYZ	51.8581, 70.0064, 43.9384
YIQ	206.1180, -16.4530, -37.7410

Conversions

Conversions Part 2

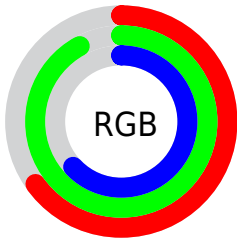
Format	Color
RYB	160, 235, 228
Decimal	11004832
CIELab	87.00, -35.40, 29.79
CIELCh	87, 46.267, 139.916
Yxy	70.0064, 0.3128, 0.4222
Android (android.graphics.Color)	4289194912 (0xFFA7EBA0)
YUV	206.1180, -22.7362, -34.3065
Hunter-Lab	83.6698, -35.7888, 27.4333

Details

The CIELCh color $87, 46.267, 139.916$ is a light color, and the websafe version is hex `CCFF99`. A complement of this color would be $75, 46.531, 323.457$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 23.301, 137.322$, and $67, 46.227, 139.894$ is the 20% darker color. If you saturate the color by 10%, you get $86, 60.345, 139.103$, and if you desaturate by 10%, it is $89, 31.818, 140.643$.

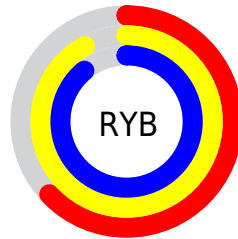
Distribution



Red (65%)

Green (92%)

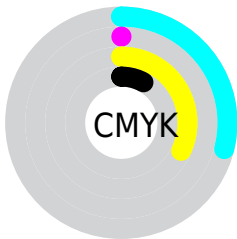
Blue (63%)



Red (63%)

Yellow (92%)

Blue (89%)

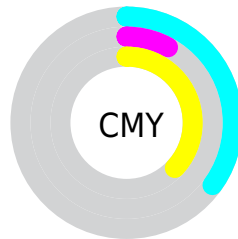


Cyan (29%)

Magenta (0%)

Yellow (32%)

Black (8%)



Cyan (35%)

Magenta (8%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 46.267, 139.916 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 87, 46.267, 139.916 by changing the saturation by 10% instead.

■ 87, 46.267,
139.916

■ 87, 46.267,
139.916

■ 100, 46.267,
139.916

■ 77, 46.267,
139.916

■ 67, 46.267,
139.916

■ 57, 46.267,
139.916

■ 47, 46.267,
139.916

■ 37, 46.267,
139.916


■ 27, 46.267,
139.916


■ 17, 46.267,


139.916


 7, 46.267, 139.916


 0, 46.267, 139.916


 87, 46.267,
139.916


 87, 46.267,
139.916

 86, 60.345,
139.103


 89, 31.818,
140.643


 84, 73.701,
138.225


 90, 17.257,
141.281


 83, 85.887,
137.336

 93, 2.777, 141.904

 83, 96.345,
136.528

 95, 11.483,
322.247

 82, 104.454,

 95, 12.624,
324.856

135.934

■ 82, 109.703,
135.678

■ 82, 111.989,
135.673

Harmonies

Complementary

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



87, 46.267, 139.916



75, 46.531, 323.457

Rectangle

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



87, 46.267, 139.916



87, 46.267, 189.916



87, 46.267, 319.916



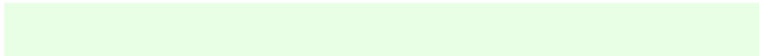
87, 46.267, 9.916

Sweetspot

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



87, 46.269, 139.917



98, 15.437, 141.393



90, 34.746, 102.387



52, 10.541, 141.310



0, 0.000, 0.000



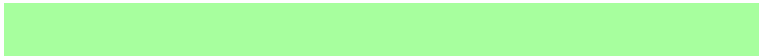
53, 0.007, 296.813

Same Dimension

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



87, 46.269, 139.917



93, 58.659, 139.419



87, 35.521, 155.800



48, 8.193, 141.427



64, 92.076, 135.587



18, 37.430, 136.743

Inverse Universe

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



75, 46.531, 323.457



77, 59.001, 323.741



74, 36.322, 341.302



46, 8.219, 322.349



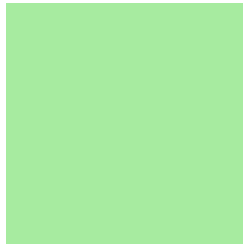
40, 89.907, 324.617



8, 38.454, 325.135

Previews

White Background



This preview shows how the CIELCh color 87, 46.267, 139.916 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 87, 46.267, 139.916 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 87, 46.267, 139.916

Background



This preview shows how black text looks on a background with the CIELCh color 87, 46.267, 139.916.

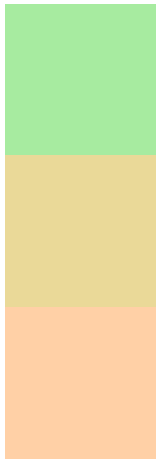


This preview shows how white text looks on a background with the CIELCh color 87, 46.267, 139.916.

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
87, 46.267, 139.916

Protanopia
87, 34.350, 95.789

Deuteranopia
87, 29.209, 68.101

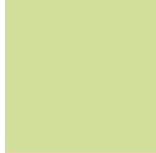


Tritanopia
87, 16.668, 233.271

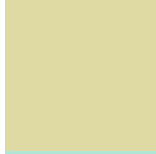
Trichromacy



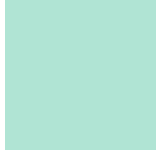
Original Color
87, 46.267, 139.916



Protanomaly
86, 35.401, 115.527



Deuteranomaly
86, 28.069, 103.759

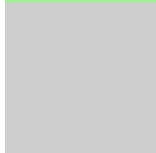


Tritanomaly
87, 20.015, 173.243

Monochromacy



Original Color
87, 46.267, 139.916



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 16.792, 140.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 46.267, 139.916 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(167, 235, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 235, 160)  
}
```

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(167, 235, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 235, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 46.267, 139.916 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(167, 235, 160) }
```

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

```
.border{ border-color:rgb(167, 235, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 235, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 235, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 235, 160);  
box-shadow:4px 4px 4px 4px rgb(167, 235,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 46.267, 139.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 235, 160) }
```

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

```
.background{ background-color: rgb(167,  
235, 160) }
```

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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