

Converting Colors

CIELCh(87, 45.284, 139.217)

Have a look what the booklet for
CIELCh(87, 45.284, 139.217)
contains.

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Color

CIELCh(87, 45.284, 139.217)

Conversions

Conversions Part 1

Format	Color
Hex	A9EAA0
RGB	169, 234, 160
RGB Percent	66%, 92%, 63%
CMY	0.3362, 0.0813, 0.3716
CMYK	0.28, 0.00, 0.32, 0.08
HSL	113°, 64%, 77%
HSV	113°, 32%, 92%
XYZ	52.2821, 70.0064, 44.1282
YIQ	206.1290, -14.9860, -36.7940

Conversions

Conversions Part 2

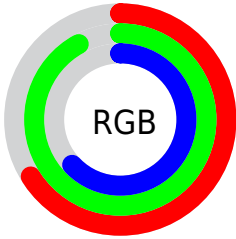
Format	Color
RYB	160, 234, 225
Decimal	11135648
CIELab	87.00, -34.29, 29.58
CIELCh	87, 45.284, 139.217
Yxy	70.0064, 0.3142, 0.4207
Android (android.graphics.Color)	4289325728 (0xFFA9EAA0)
YUV	206.1290, -22.7416, -32.5621
Hunter-Lab	83.6698, -34.8843, 27.2988

Details

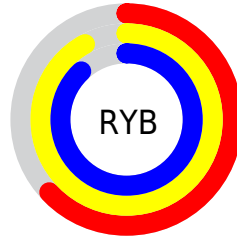
The CIELCh color $87, 45.284, 139.217$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $74, 45.639, 322.593$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 22.953, 135.812$, and $67, 45.220, 139.217$ is the 20% darker color. If you saturate the color by 10%, you get $86, 59.249, 138.450$, and if you desaturate by 10%, it is $89, 30.979, 139.908$.

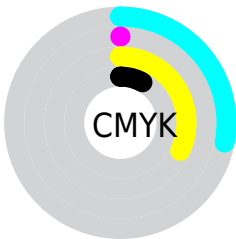
Distribution



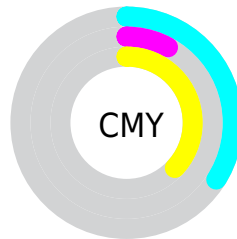
- Red (66%)
- Green (92%)
- Blue (63%)



- Red (63%)
- Yellow (92%)
- Blue (88%)



- Cyan (28%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)





- Cyan (34%)
- Magenta (8%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 45.284, 139.217 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, 45.284, 139.217 by changing the saturation by 10% instead.


 87, 45.284,
139.217


 87, 45.284,
139.217


 100, 45.284,
139.217


 77, 45.284,
139.217

 67, 45.284,
139.217

 57, 45.284,
139.217

 47, 45.284,
139.217

 37, 45.284,
139.217


 27, 45.284,
139.217


 17, 45.284,


139.217


 7, 45.284, 139.217

 0, 45.284, 139.217


 87, 45.284,
139.217

 87, 45.284,
139.217

 86, 59.249,
138.450


 89, 30.979,
139.908


 84, 72.539,
137.629


 90, 16.576,
140.518


 83, 84.724,
136.808

 92, 2.258, 141.138

 83, 95.259,
136.079

 95, 11.846,
321.447

 82, 103.524,

 95, 12.940,
324.867

135.572

■ 82, 108.995,
135.412

■ 81, 111.542,
135.499

Harmonies

Complementary

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



87, 45.284, 139.217



74, 45.639, 322.593

Rectangle

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



87, 45.284, 139.217



87, 45.284, 189.217



87, 45.284, 319.217



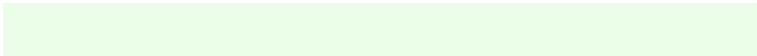
87, 45.284, 9.217

Sweetspot

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



87, 45.286, 139.218



98, 13.759, 140.663



89, 33.245, 100.639



52, 9.570, 140.581



0, 0.000, 0.000



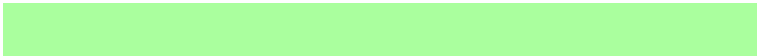
53, 0.007, 296.813

Same Dimension

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



87, 45.286, 139.218



93, 58.143, 138.720



87, 36.016, 154.382



48, 8.119, 140.640



64, 91.837, 135.395



19, 37.197, 136.274

Inverse Universe

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



74, 45.639, 322.593



77, 58.637, 322.885



74, 36.664, 339.636



46, 8.150, 321.531



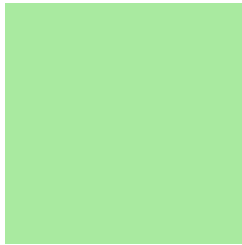
39, 90.162, 323.548



8, 38.534, 324.212

Previews

White Background



This preview shows how the CIELCh color 87, 45.284, 139.217 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, 45.284, 139.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

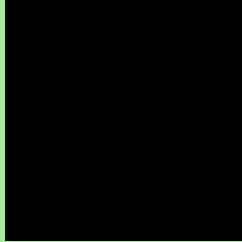
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 45.284, 139.217

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.284, 139.217.

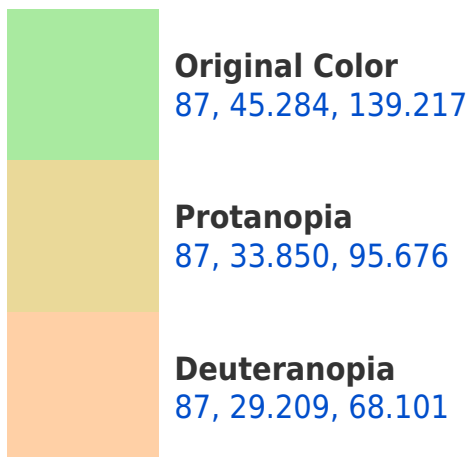


This preview shows how white text looks on a background with the CIELCh color 87, 45.284, 139.217.

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





Tritanopia
87, 16.169, 234.527

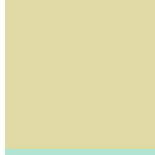
Trichromacy



Original Color
87, 45.284, 139.217



Protanomaly
86, 34.903, 115.678



Deuteranomaly
86, 28.099, 102.955

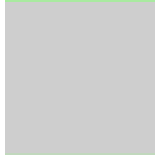


Tritanomaly
87, 19.427, 172.495

Monochromacy



Original Color
87, 45.284, 139.217



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 16.597, 139.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.284, 139.217 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(169, 234, 160)` looks like.

```
.text, #text, p{  
    color:rgb(169, 234, 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(169, 234, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 234, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.284, 139.217 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(169, 234, 160) }
```

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

```
.border{ border-color:rgb(169, 234, 160) }
```

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

Here you see how a box with a 4 pixel rgb(169, 234, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 234, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 234, 160);  
box-shadow:4px 4px 4px 4px rgb(169, 234,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.284, 139.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 234, 160) }
```

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

```
.background{ background-color: rgb(169,  
234, 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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