

Converting Colors

CIELCh(86, 56.105, 143.581)

Have a look what the booklet for
CIELCh(86, 56.105, 143.581)
contains.

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Color

CIELCh(86, 56.019, 143.689)

Conversions

Conversions Part 1

Format	Color
Hex	8EEC96
RGB	142, 236, 150
RGB Percent	56%, 93%, 59%
CMY	0.4429, 0.0742, 0.4115
CMYK	0.40, 0.00, 0.36, 0.07
HSL	125°, 71%, 74%
HSV	125°, 40%, 93%
XYZ	46.6892, 67.9871, 39.5408
YIQ	198.0900, -28.4180, -46.6740

Conversions

Conversions Part 2

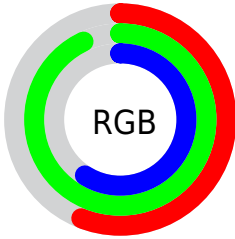
Format	Color
RYB	142, 229, 236
Decimal	9366678
CIELab	86.00, -45.14, 33.17
CIELCh	86, 56.019, 143.689
Yxy	67.9871, 0.3027, 0.4409
Android (android.graphics.Color)	4287556758 (0xFF8EEC96)
YUV	198.0900, -23.7084, -49.1909
Hunter-Lab	82.4543, -43.2206, 29.2856

Details

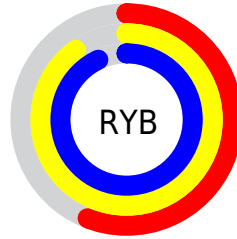
The CIELCh color **86, 56.019, 143.689** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71, 55.931, 329.124**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 32.598, 145.987**, and **66, 55.792, 143.680** is the 20% darker color. If you saturate the color by 10%, you get **85, 69.194, 142.571**, and if you desaturate by 10%, it is **88, 42.204, 144.668**.

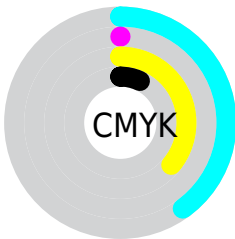
Distribution



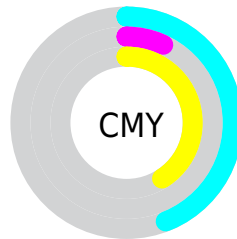
- Red (56%)
- Green (93%)
- Blue (59%)



- Red (56%)
- Yellow (90%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)




- Cyan (44%)
- Magenta (7%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 56.019, 143.689 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 86, 56.019, 143.689 by changing the saturation by 10% instead.


 86, 56.019,
143.689


 86, 56.019,
143.689


 100, 56.019,
143.689


 76, 56.019,
143.689

 66, 56.019,
143.689

 56, 56.019,
143.689

 46, 56.019,
143.689

 36, 56.019,
143.689


 26, 56.019,
143.689


 16, 56.019,


143.689

 6, 56.019, 143.689


 0, 56.019, 143.689


 86, 56.019,
143.689


 86, 56.019,
143.689


 85, 69.194,
142.571


 88, 42.204,
144.668

 84, 81.349,
141.328


 89, 28.060,
145.514


 83, 92.062,
140.003

 91, 13.841,
146.245


 82, 100.880,
138.682


 93, 0.261, 325.624

 82, 107.379,

 95, 11.813,
324.826

137.492

 82, 111.348,
136.608

 82, 111.399,
136.598

Harmonies

Complementary

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



86, 56.019, 143.689



71, 55.931, 329.124

Rectangle

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



86, 56.019, 143.689



86, 56.019, 193.689



86, 56.019, 323.689



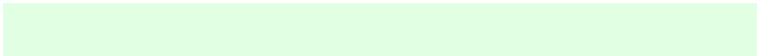
86, 56.019, 13.689

Sweetspot

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



86, 56.020, 143.689



97, 18.030, 146.090



91, 47.540, 110.113



52, 11.968, 145.997



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 56.020, 143.689



91, 71.153, 142.761



87, 38.019, 164.292



48, 7.964, 146.269



64, 90.973, 136.755



18, 36.622, 139.788

Inverse Universe

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



71, 55.931, 329.124



73, 70.768, 329.592



70, 40.886, 352.815



46, 7.979, 327.345



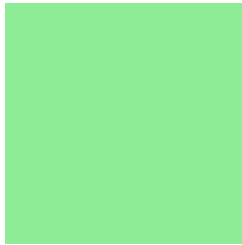
42, 83.602, 331.931



9, 36.151, 331.347

Previews

White Background



This preview shows how the CIE LCh color 86, 56.019, 143.689 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 86, 56.019, 143.689 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 86, 56.019, 143.689

Background



This preview shows how black text looks on a background with the CIELCh color 86, 56.019, 143.689.

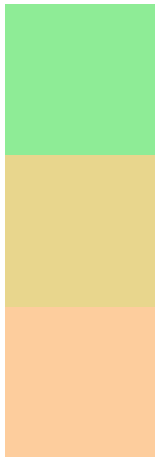


This preview shows how white text looks on a background with the CIELCh color 86, 56.019, 143.689.

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
86, 56.019, 143.689

Protanopia
86, 38.499, 95.888

Deuteranopia
85, 32.124, 70.640

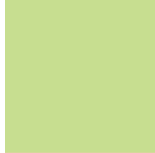


Tritanopia
86, 21.980, 223.847

Trichromacy



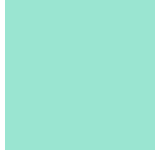
Original Color
86, 56.019, 143.689



Protanomaly
85, 41.129, 119.551



Deuteranomaly
85, 32.161, 109.521

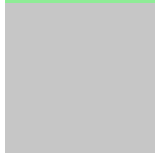


Tritanomaly
86, 27.565, 175.062

Monochromacy



Original Color
86, 56.019, 143.689



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 20.736, 145.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 56.019, 143.689 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, 236, 150)` looks like.

```
.text, #text, p{  
    color:rgb(142, 236, 150)  
}
```

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, 236, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 236, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 56.019, 143.689 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, 236, 150) }
```

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

```
.border{ border-color:rgb(142, 236, 150) }
```

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

Here you see how a box with a 4 pixel rgb(142, 236, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 236, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 236, 150);  
box-shadow:4px 4px 4px 4px rgb(142, 236,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 56.019, 143.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 236, 150) }
```

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

```
.background{ background-color: rgb(142,  
236, 150) }
```

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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