

Converting Colors

CIELCh(85, 80.528, 130.004)

Have a look what the booklet for
CIELCh(85, 80.528, 130.004)
contains.

CIELCh(85, 80.697, 129.990)	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(85, 80.697, 129.990)

Conversions

Conversions Part 1

Format	Color
Hex	90EB56
RGB	144, 235, 86
RGB Percent	56%, 92%, 34%
CMY	0.4354, 0.0785, 0.6628
CMYK	0.39, 0.00, 0.63, 0.08
HSL	97°, 79%, 63%
HSV	97°, 63%, 92%
XYZ	42.8817, 66.0070, 19.2815
YIQ	190.8050, -6.4070, -65.6310

Conversions

Conversions Part 2

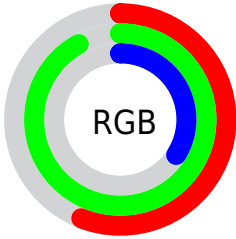
Format	Color
RYB	86, 235, 177
Decimal	9497430
CIELab	85.00, -51.86, 61.83
CIELCh	85, 80.697, 129.990
Yxy	66.0070, 0.3346, 0.5150
Android (android.graphics.Color)	4287687510 (0xFF90EB56)
YUV	190.8050, -51.6689, -41.0480
Hunter-Lab	81.2447, -47.9643, 42.8002

Details

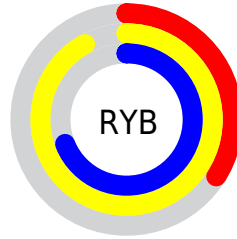
The CIELCh color **85, 80.697, 129.990** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **54, 86.171, 315.477**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 60.094, 125.366**, and **65, 80.339, 129.899** is the 20% darker color. If you saturate the color by 10%, you get **84, 90.607, 129.874**, and if you desaturate by 10%, it is **86, 69.351, 130.331**.

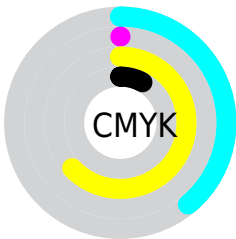
Distribution



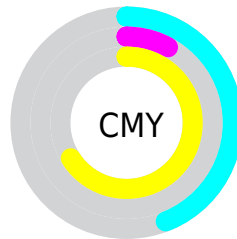
- Red (56%)
- Green (92%)
- Blue (34%)



- Red (34%)
- Yellow (92%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (63%)
- Black (8%)





- Cyan (44%)
- Magenta (8%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 80.697, 129.990 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 85, 80.697, 129.990 by changing the saturation by 10% instead.


 85, 80.697,
129.990


 85, 80.697,
129.990


 100, 80.697,
129.990


 75, 80.697,
129.990

 65, 80.697,
129.990

 55, 80.697,
129.990

 45, 80.697,
129.990

 35, 80.697,
129.990

 25, 80.697,
129.990

 15, 80.697,

129.990

■ 5, 80.697, 129.990

■ 0, 80.697, 129.990

■ 85, 80.697,
129.990

■ 85, 80.697,
129.990

■ 84, 90.607,
129.874

■ 86, 69.351,
130.331

■ 84, 98.502,
130.112

■ 87, 57.064,
130.788

■ 83, 103.923,
130.813

■ 88, 44.208,
131.289

■ 83, 106.322,
131.465


■ 89, 31.047,
131.792

■ 91, 17.764,

132.272

 92, 4.492, 132.740

 94, 8.679, 313.079

 95, 12.489,
324.851

Harmonies

Complementary

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



85, 80.697, 129.990



54, 86.171, 315.477

Rectangle

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



85, 80.697, 129.990



85, 80.697, 179.990



85, 80.697, 309.990



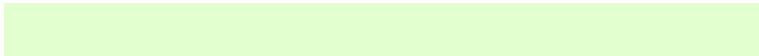
85, 80.697, 359.990

Sweetspot

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



85, 80.698, 129.991



97, 26.926, 132.003



76, 54.696, 76.643



51, 18.534, 131.863



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 80.698, 129.991



90, 99.097, 129.901



83, 84.258, 141.255



48, 7.508, 132.454



65, 87.213, 131.216



19, 34.859, 130.723

Inverse Universe

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



54, 86.171, 315.477



52, 106.757, 315.600



61, 82.624, 330.925



46, 7.588, 313.225



31, 94.229, 314.722



5, 38.194, 315.354

Previews

White Background



This preview shows how the CIELCh color 85, 80.697, 129.990 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 85, 80.697, 129.990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

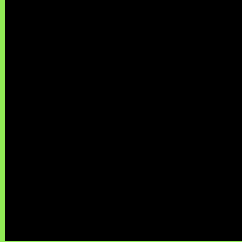
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 80.697, 129.990

Background



This preview shows how black text looks on a background with the CIELCh color 85, 80.697, 129.990.



This preview shows how white text looks on a background with the CIELCh color 85, 80.697, 129.990.

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



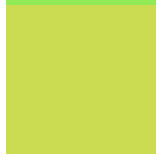


Tritanopia
85, 18.977, 228.567

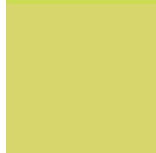
Trichromacy



Original Color
85, 80.697, 129.990



Protanomaly
84, 67.912, 110.443



Deuteranomaly
84, 53.751, 105.036

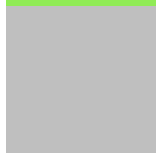


Tritanomaly
84, 32.474, 154.497

Monochromacy



Original Color
85, 80.697, 129.990



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 31.212, 131.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 80.697, 129.990 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(144, 235, 86)` looks like.

```
.text, #text, p{  
    color:rgb(144, 235, 86)  
}
```

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(144, 235, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 235, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 80.697, 129.990 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(144, 235, 86) }
```

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

```
.border{ border-color:rgb(144, 235, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 235, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 235, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 235, 86);  
box-shadow:4px 4px 4px 4px rgb(144, 235,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 80.697, 129.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 235, 86) }
```

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

```
.background{ background-color: rgb(144,  
235, 86) }
```

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