

Converting Colors

CIELCh(85, 96.308, 129.670)

Have a look what the booklet for
CIELCh(85, 96.308, 129.670)
contains.

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Color

CIELCh(85, 95.994, 129.678)

Conversions

Conversions Part 1

Format	Color
Hex	7DEE32
RGB	125, 238, 50
RGB Percent	49%, 93%, 20%
CMY	0.5082, 0.0651, 0.8020
CMYK	0.47, 0.00, 0.79, 0.07
HSL	96°, 85%, 57%
HSV	96°, 79%, 93%
XYZ	39.7957, 66.0070, 13.7154
YIQ	182.7810, -7.0000, -82.4240

Conversions

Conversions Part 2

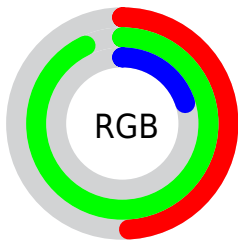
Format	Color
RYB	50, 238, 163
Decimal	8252978
CIELab	85.00, -61.29, 73.88
CIElCh	85, 95.994, 129.678
Yxy	66.0070, 0.3330, 0.5523
Android (android.graphics.Color)	4286443058 (0xFF7DEE32)
YUV	182.7810, -65.4610, -50.6739
Hunter-Lab	81.2447, -54.7445, 46.8622

Details

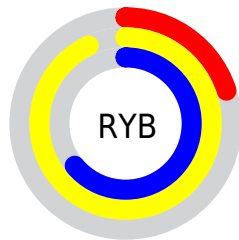
The CIELCh color **85, 95.994, 129.678** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **47, 103.911, 315.304**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 75.041, 125.767**, and **65, 88.643, 132.632** is the 20% darker color. If you saturate the color by 10%, you get **84, 102.630, 130.179**, and if you desaturate by 10%, it is **86, 87.036, 129.605**.

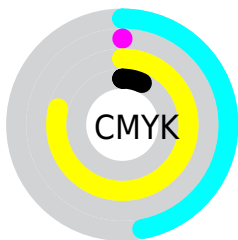
Distribution



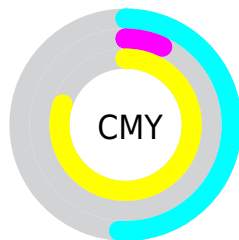
- Red (49%)
- Green (93%)
- Blue (20%)



- Red (20%)
- Yellow (93%)
- Blue (64%)



- Cyan (47%)
- Magenta (0%)
- Yellow (79%)
- Black (7%)





- Cyan (51%)
- Magenta (7%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 95.994, 129.678 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, 95.994, 129.678 by changing the saturation by 10% instead.


 85, 95.994,
129.678


 85, 95.994,
129.678


 100, 95.994,
129.678


 75, 95.994,
129.678

 65, 95.994,
129.678

 55, 95.994,
129.678

 45, 95.994,
129.678

 35, 95.994,
129.678

 25, 95.994,
129.678

 15, 95.994,

129.678

■ 5, 95.994, 129.678

■ 0, 95.994, 129.678

■ 85, 95.994,
129.678

■ 85, 95.994,
129.678

■ 84, 102.630,
130.179

■ 86, 87.036,
129.605

■ 84, 106.800,
131.128

■ 87, 76.310,
129.828

■ 84, 107.215,
131.241

■ 88, 64.377,
130.224

■ 89, 51.682,
130.703

■ 90, 38.545,

131.206

■ 91, 25.191,
131.698

■ 93, 11.779,
132.166

■ 94, 1.579, 312.463

■ 96, 10.238,
323.831

Harmonies

Complementary

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



85, 95.994, 129.678



47, 103.911, 315.304

Rectangle

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



85, 95.994, 129.678



85, 95.994, 179.678



85, 95.994, 309.678



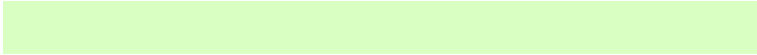
85, 95.994, 359.678

Sweetspot

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



85, 95.994, 129.679



96, 33.923, 131.441



73, 68.109, 73.999



51, 23.292, 131.264



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, 95.994, 129.679



89, 111.082, 130.768



83, 100.074, 139.137



49, 7.622, 132.136



66, 87.903, 130.992



20, 36.194, 130.176

Inverse Universe

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



47, 103.911, 315.304



45, 120.513, 314.605



58, 95.514, 331.712



47, 7.706, 312.911



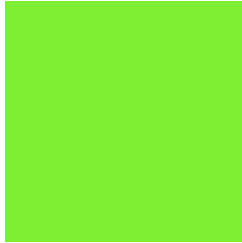
31, 95.410, 314.448



6, 39.960, 315.319

Previews

White Background



This preview shows how the CIELCh color 85, 95.994, 129.678 looks on a white background.

Color Contrast Check

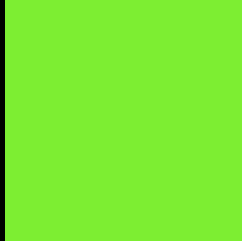
Large Text (above 18pt) WCAG AA × Fail

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, 95.994, 129.678 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

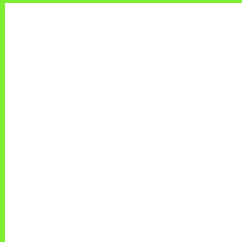
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 95.994, 129.678

Background



This preview shows how black text looks on a background with the CIELCh color 85, 95.994, 129.678.

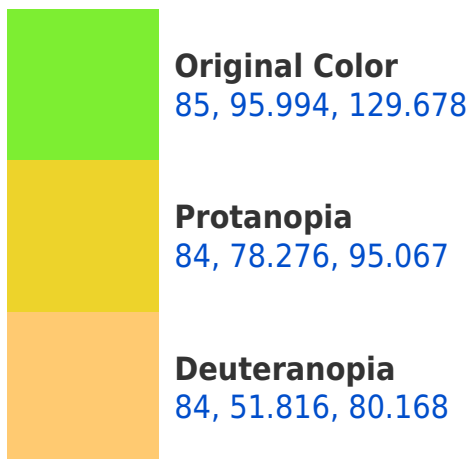


This preview shows how white text looks on a background with the CIELCh color 85, 95.994, 129.678.

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, 22.746, 222.942

Trichromacy



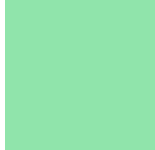
Original Color
85, 95.994, 129.678



Protanomaly
84, 80.739, 110.944



Deuteranomaly
83, 62.269, 107.483

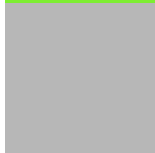


Tritanomaly
84, 42.413, 151.959

Monochromacy



Original Color
85, 95.994, 129.678



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 39.277, 131.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 95.994, 129.678 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(125, 238, 50)` looks like.

```
.text, #text, p{  
    color:rgb(125, 238, 50)  
}
```

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(125, 238, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 238, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 95.994, 129.678 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(125, 238, 50) }
```

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

```
.border{ border-color:rgb(125, 238, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 238, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 238, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 238, 50);  
box-shadow:4px 4px 4px 4px rgb(125, 238,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 95.994, 129.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 238, 50) }
```

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

```
.background{ background-color: rgb(125,  
238, 50) }
```

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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