

Converting Colors

CIELCh(85, 98.985, 123.363)

Have a look what the booklet for
CIELCh(85, 98.985, 123.363)
contains.

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Color

CIELCh(85, 98.843, 123.457)

Conversions

Conversions Part 1

Format	Color
Hex	94EC00
RGB	148, 236, 0
RGB Percent	58%, 93%, 0%
CMY	0.4213, 0.0761, 1.0000
CMYK	0.37, 0.00, 1.00, 0.08
HSL	82°, 100%, 46%
HSV	82°, 100%, 92%
XYZ	42.0045, 66.0070, 10.4857
YIQ	182.7840, 23.3080, -92.0520

Conversions

Conversions Part 2

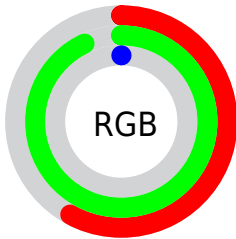
Format	Color
RYB	0, 236, 88
Decimal	9759744
CIELab	85.00, -54.49, 82.46
CIELCh	85, 98.843, 123.457
Yxy	66.0070, 0.3545, 0.5570
Android (android.graphics.Color)	4287949824 (0xFF94EC00)
YUV	182.7840, -90.1125, -30.5056
Hunter-Lab	81.2447, -49.8916, 49.2191

Details

The CIELCh color **85, 98.843, 123.457** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **34, 120.889, 309.255**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 80.372, 117.813**, and **65, 83.990, 128.461** is the 20% darker color. If you saturate the color by 10%, you get **85, 98.738, 123.487**, and if you desaturate by 10%, it is **85, 95.382, 122.388**.

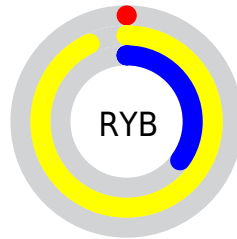
Distribution



Red (58%)

Green (93%)

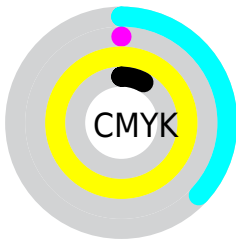
Blue (0%)



Red (0%)

Yellow (93%)

Blue (35%)

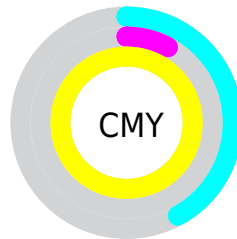


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (42%)

Magenta (8%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 98.843, 123.457 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, 98.843, 123.457 by changing the saturation by 10% instead.

■ 85, 98.843,
123.457

■ 85, 98.843,
123.457

■ 100, 98.843,
123.457

■ 75, 98.843,
123.457

■ 65, 98.843,
123.457

■ 55, 98.843,
123.457

■ 45, 98.843,
123.457

■ 35, 98.843,
123.457

■ 25, 98.843,
123.457

■ 15, 98.843,

123.457

■ 5, 98.843, 123.457

■ 0, 98.843, 123.457

■ 85, 98.843,
123.457

■ 85, 98.843,
123.457

■ 85, 98.738,
123.487

■ 85, 95.382,
122.388

■ 86, 89.794,
121.733

■ 87, 81.916,
121.527

■ 87, 72.259,
121.649

■ 88, 61.372,

121.984

■ 89, 49.696,
122.442

■ 90, 37.540,
122.959

■ 91, 25.117,
123.497

■ 92, 12.567,
124.033

Harmonies

Complementary

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



85, 98.843, 123.457



34, 120.889, 309.255

Rectangle

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



85, 98.843, 123.457



85, 98.843, 173.457



85, 98.843, 303.457



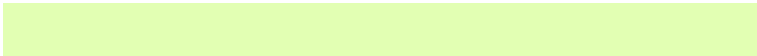
85, 98.843, 353.457

Sweetspot

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



85, 98.738, 123.487



96, 40.026, 122.952



57, 86.321, 50.452



51, 27.238, 122.729



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, 98.738, 123.487



91, 104.889, 123.556



82, 111.895, 135.417



49, 7.114, 124.061



67, 80.895, 123.217



20, 32.500, 122.393

Inverse Universe

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



34, 120.889, 309.255



37, 128.418, 309.211



51, 109.990, 323.033



45, 7.237, 305.031



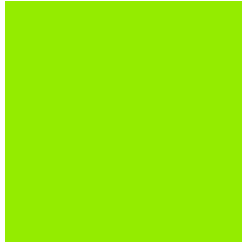
25, 99.045, 309.428



4, 37.020, 307.450

Previews

White Background



This preview shows how the CIELCh color 85, 98.843, 123.457 looks on a white background.

Color Contrast Check

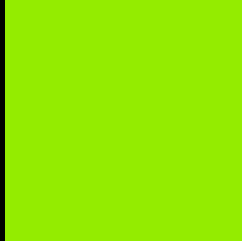
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 85, 98.843, 123.457 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, 98.843, 123.457

Background



This preview shows how black text looks on a background with the CIELCh color 85, 98.843, 123.457.



This preview shows how white text looks on a background with the CIELCh color 85, 98.843, 123.457.

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
85, 98.843, 123.457

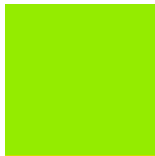
Protanopia
85, 85.128, 95.161

Deuteranopia
85, 52.464, 80.948



Tritanopia
85, 17.233, 230.003

Trichromacy



Original Color
85, 98.843, 123.457



Protanomaly
84, 87.328, 107.353



Deuteranomaly
84, 69.814, 103.770

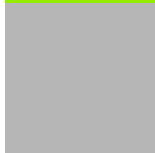


Tritanomaly
84, 45.272, 137.375

Monochromacy



Original Color
85, 98.843, 123.457



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 46.126, 122.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 98.843, 123.457 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(148, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 236, 0)  
}
```

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(148, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 236, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 98.843, 123.457 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(148, 236, 0) }
```

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

```
.border{ border-color:rgb(148, 236, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 236,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 98.843, 123.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 236, 0) }
```

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

```
.background{ background-color: rgb(148,  
236, 0) }
```

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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