

Converting Colors

CIELCh(85, 97.616, 123.413)

Have a look what the booklet for
CIELCh(85, 97.616, 123.413)
contains.

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Color

CIELCh(85, 97.476, 123.377)

Conversions

Conversions Part 1

Format	Color
Hex	95EB0C
RGB	149, 235, 12
RGB Percent	58%, 92%, 5%
CMY	0.4146, 0.0774, 0.9533
CMYK	0.37, 0.00, 0.95, 0.08
HSL	83°, 90%, 48%
HSV	83°, 95%, 92%
XYZ	42.2921, 66.0070, 10.8556
YIQ	183.8640, 20.3270, -87.5850

Conversions

Conversions Part 2

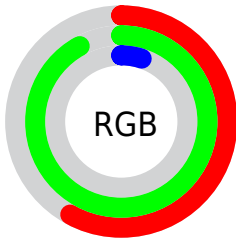
Format	Color
RYB	12, 235, 98
Decimal	9825036
CIELab	85.00, -53.63, 81.40
CIELCh	85, 97.476, 123.377
Yxy	66.0070, 0.3549, 0.5540
Android (android.graphics.Color)	4288015116 (0xFF95EB0C)
YUV	183.8640, -84.7290, -30.5757
Hunter-Lab	81.2447, -49.2597, 48.9492

Details

The CIELCh color **85, 97.476, 123.377** 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 **36, 118.073, 309.679**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 79.540, 117.714**, and **65, 83.840, 128.281** is the 20% darker color. If you saturate the color by 10%, you get **85, 99.011, 123.972**, and if you desaturate by 10%, it is **86, 93.068, 122.466**.

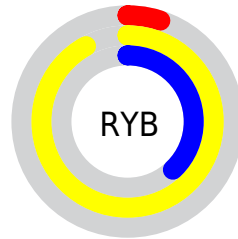
Distribution



Red (58%)

Green (92%)

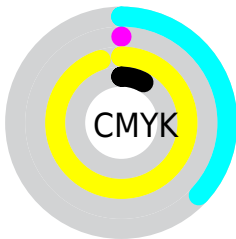
Blue (5%)



Red (5%)

Yellow (92%)

Blue (38%)

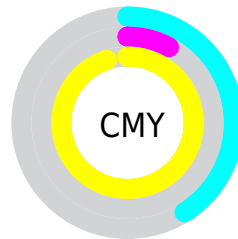


Cyan (37%)

Magenta (0%)

Yellow (95%)

Black (8%)



Cyan (41%)


Magenta (8%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 97.476, 123.377 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, 97.476, 123.377 by changing the saturation by 10% instead.


 85, 97.476,
123.377


 85, 97.476,
123.377


 100, 97.476,
123.377


 75, 97.476,
123.377

 65, 97.476,
123.377

 55, 97.476,
123.377

 45, 97.476,
123.377

 35, 97.476,
123.377

 25, 97.476,
123.377

 15, 97.476,

123.377

■ 5, 97.476, 123.377

■ 0, 97.476, 123.377

■ 85, 97.476,
123.377

■ 85, 97.476,
123.377

■ 85, 99.011,
123.972

■ 86, 93.068,
122.466

■ 86, 86.232,
122.044

■ 87, 77.348,
122.014

■ 87, 66.977,
122.252

■ 88, 55.618,

122.654

■ 89, 43.645,
123.142

■ 90, 31.312,
123.668

■ 91, 18.792,
124.199

■ 93, 6.204, 124.724

Harmonies

Complementary

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



85, 97.476, 123.377



36, 118.073, 309.679

Rectangle

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



85, 97.476, 123.377



85, 97.476, 173.377



85, 97.476, 303.377



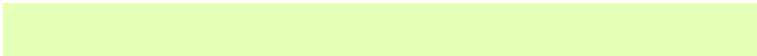
85, 97.476, 353.377

Sweetspot

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



85, 97.476, 123.378



97, 37.483, 123.498



58, 82.281, 52.548



51, 25.819, 123.271



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, 97.476, 123.378



91, 105.293, 124.043



82, 110.590, 135.489



49, 7.129, 124.487



67, 81.199, 123.701



20, 32.605, 122.871

Inverse Universe

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



36, 118.073, 309.679



38, 128.129, 309.400



52, 108.603, 323.816



45, 7.251, 305.440



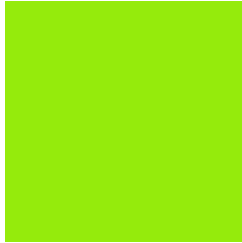
26, 98.822, 309.620



4, 37.079, 307.815

Previews

White Background



This preview shows how the CIELCh color 85, 97.476, 123.377 looks on a white background.

Color Contrast Check

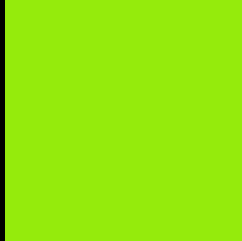
Large Text (above 18pt) WCAG AA × Fail

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, 97.476, 123.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

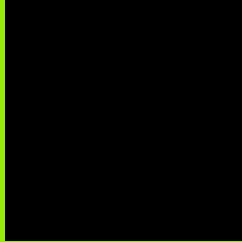
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 97.476, 123.377

Background



This preview shows how black text looks on a background with the CIELCh color 85, 97.476, 123.377.

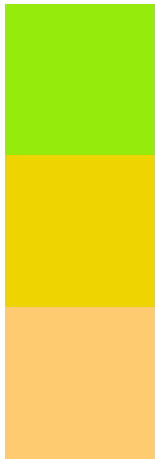


This preview shows how white text looks on a background with the CIELCh color 85, 97.476, 123.377.

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, 97.396, 123.399

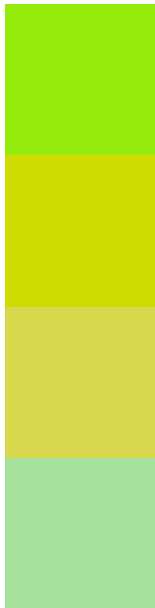
Protanopia
85, 85.128, 95.161

Deuteranopia
85, 52.464, 80.948



Tritanopia
85, 16.976, 230.548

Trichromacy



Original Color
85, 97.396, 123.399

Protanomaly
84, 86.615, 106.855

Deuteranomaly
84, 67.921, 103.562

Tritanomaly
84, 42.872, 138.704

Monochromacy



Original Color
85, 97.396, 123.399

Achromatopsia
75, 0.009, 296.813

Achromatomaly
78, 44.633, 123.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 97.476, 123.377 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(149, 235, 12)` looks like.

```
.text, #text, p{  
    color:rgb(149, 235, 12)  
}
```

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(149, 235, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 235, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 97.476, 123.377 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(149, 235, 12) }
```

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

```
.border{ border-color:rgb(149, 235, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 235, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 235, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 235, 12);  
box-shadow:4px 4px 4px 4px rgb(149, 235,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 97.476, 123.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 235, 12) }
```

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

```
.background{ background-color: rgb(149,  
235, 12) }
```

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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