

Converting Colors

CIELCh(85, 89.455, 123.238)

Have a look what the booklet for
CIELCh(85, 89.455, 123.238)
contains.

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Color

CIELCh(85, 89.736, 123.404)

Conversions

Conversions Part 1

Format	Color
Hex	9DEA31
RGB	157, 234, 49
RGB Percent	62%, 92%, 19%
CMY	0.3857, 0.0836, 0.8094
CMYK	0.33, 0.00, 0.79, 0.08
HSL	85°, 81%, 55%
HSV	85°, 79%, 92%
XYZ	43.7113, 66.0070, 13.2966
YIQ	189.8870, 13.4930, -73.8590

Conversions

Conversions Part 2

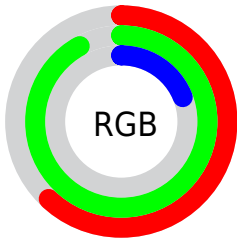
Format	Color
R_{YB}	49, 234, 126
Decimal	10349105
CIE _{Lab}	85.00, -49.40, 74.91
CIE _{LCh}	85, 89.736, 123.404
Yxy	66.0070, 0.3553, 0.5366
Android (android.graphics.Color)	4288539185 (0xFF9DEA31)
YUV	189.8870, -69.4573, -28.8419
Hunter-Lab	81.2447, -46.1417, 47.1678

Details

The CIELCh color **85, 89.736, 123.404** 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 **42, 104.622, 310.523**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 71.448, 117.448**, and **65, 81.897, 126.227** is the 20% darker color. If you saturate the color by 10%, you get **84, 95.656, 124.043**, and if you desaturate by 10%, it is **86, 81.582, 123.213**.

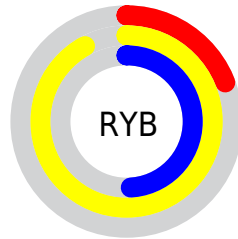
Distribution



Red (62%)

Green (92%)

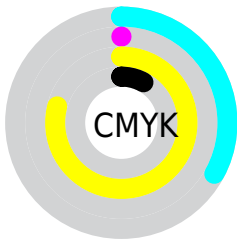
Blue (19%)



Red (19%)

Yellow (92%)

Blue (49%)

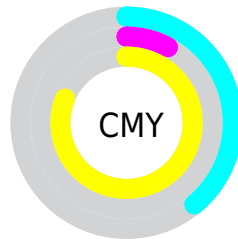


Cyan (33%)

Magenta (0%)

Yellow (79%)

Black (8%)



Cyan (39%)


Magenta (8%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 89.736, 123.404 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, 89.736, 123.404 by changing the saturation by 10% instead.


 85, 89.736,
123.404

 85, 89.736,
123.404

 100, 89.736,
123.404

 75, 89.736,
123.404


 65, 89.736,
123.404

 55, 89.736,
123.404

 45, 89.736,
123.404

 35, 89.736,
123.404

 25, 89.736,
123.404

 15, 89.736,

123.404

■ 5, 89.736, 123.404

■ 0, 89.736, 123.404

■ 85, 89.736,
123.404

■ 85, 89.736,
123.404

■ 84, 95.656,
124.043

■ 86, 81.582,
123.213

■ 84, 99.285,
125.148

■ 86, 71.717,
123.343


■ 84, 99.536,
125.239


■ 87, 60.677,
123.676

■ 88, 48.889,
124.124


■ 89, 36.653,

124.625

 90, 24.172,
125.140

 91, 11.585,
125.650

 93, 1.011, 306.022

 94, 11.631,
309.158

Harmonies

Complementary

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



85, 89.736, 123.404



42, 104.622, 310.523

Rectangle

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



85, 89.736, 123.404



85, 89.736, 173.404



85, 89.736, 303.404



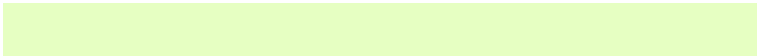
85, 89.736, 353.404

Sweetspot

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



85, 89.736, 123.405



97, 32.391, 124.887



63, 68.553, 56.325



51, 22.225, 124.702



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, 89.736, 123.405



91, 104.810, 124.701



82, 101.999, 135.976



49, 7.173, 125.636



67, 82.039, 124.970



20, 32.898, 124.134

Inverse Universe

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



42, 104.622, 310.523



40, 124.997, 310.236



55, 100.945, 324.619



45, 7.289, 306.548



26, 98.203, 310.176



4, 37.241, 308.823

Previews

White Background



This preview shows how the CIELCh color 85, 89.736, 123.404 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, 89.736, 123.404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

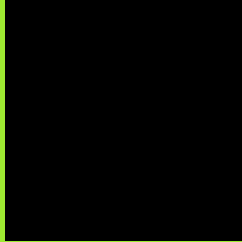
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 89.736, 123.404

Background



This preview shows how black text looks on a background with the CIELCh color 85, 89.736, 123.404.



This preview shows how white text looks on a background with the CIELCh color 85, 89.736, 123.404.

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, 89.736, 123.404

Protanopia
85, 78.610, 95.104

Deuteranopia
85, 51.116, 80.444



Tritanopia
85, 15.203, 234.943

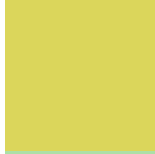
Trichromacy



Original Color
85, 89.736, 123.404



Protanomaly
84, 80.052, 107.069



Deuteranomaly
84, 61.410, 102.844

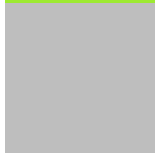


Tritanomaly
84, 35.592, 140.547

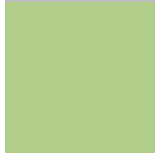
Monochromacy



Original Color
85, 89.736, 123.404



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 36.806, 124.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 89.736, 123.404 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(157, 234, 49)` looks like.

```
.text, #text, p{  
    color:rgb(157, 234, 49)  
}
```

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(157, 234, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 234, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 89.736, 123.404 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(157, 234, 49) }
```

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

```
.border{ border-color:rgb(157, 234, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 234, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 234, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 234, 49);  
box-shadow:4px 4px 4px 4px rgb(157, 234,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 89.736, 123.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 234, 49) }
```

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

```
.background{ background-color: rgb(157,  
234, 49) }
```

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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