

Converting Colors

CIELCh(82, 93.771, 123.021)

Have a look what the booklet for
CIELCh(82, 93.771, 123.021)
contains.

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Color

CIELCh(82, 93.943, 123.130)

Conversions

Conversions Part 1

Format	Color
Hex	91E20E
RGB	145, 226, 14
RGB Percent	57%, 89%, 5%
CMY	0.4323, 0.1146, 0.9436
CMYK	0.36, 0.00, 0.94, 0.11
HSL	83°, 88%, 47%
HSV	83°, 94%, 89%
XYZ	38.8505, 60.2982, 10.0197
YIQ	177.6130, 19.7760, -83.1040

Conversions

Conversions Part 2

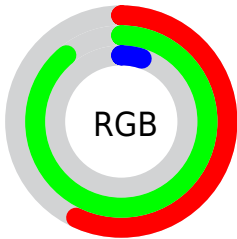
Format	Color
RYB	14, 226, 95
Decimal	9560590
CIELab	82.00, -51.34, 78.67
CIElCh	82, 93.943, 123.130
Yxy	60.2982, 0.3559, 0.5523
Android (android.graphics.Color)	4287750670 (0xFF91E20E)
YUV	177.6130, -80.6612, -28.6016
Hunter-Lab	77.6519, -46.5845, 46.7059

Details

The CIELCh color **82, 93.943, 123.130** 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 **35, 113.713, 309.715**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 80.320, 118.690**, and **62, 80.432, 127.943** is the 20% darker color. If you saturate the color by 10%, you get **82, 95.897, 123.859**, and if you desaturate by 10%, it is **82, 89.323, 122.300**.

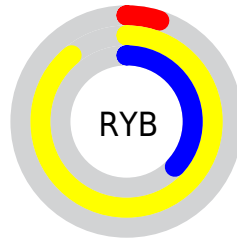
Distribution



Red (57%)

Green (89%)

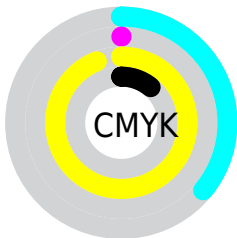
Blue (5%)



Red (5%)

Yellow (89%)

Blue (37%)

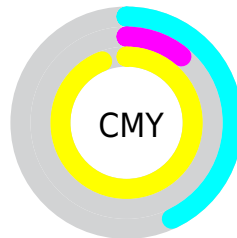


Cyan (36%)

Magenta (0%)

Yellow (94%)

Black (11%)



Cyan (43%)

Magenta (11%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 93.943, 123.130 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 82, 93.943, 123.130 by changing the saturation by 10% instead.

■ 82, 93.943,
123.130

■ 82, 93.943,
123.130

■ 100, 93.943,
123.130

■ 72, 93.943,
123.130

■ 62, 93.943,
123.130

■ 52, 93.943,
123.130

■ 42, 93.943,
123.130

■ 32, 93.943,
123.130

■ 22, 93.943,
123.130

■ 12, 93.943,

123.130

■ 2, 93.943, 123.130

■ 0, 93.943, 123.130

■ 82, 93.943,
123.130

■ 82, 93.943,
123.130

■ 82, 95.897,
123.859

■ 82, 89.323,
122.300

■ 83, 82.390,
121.946

■ 84, 73.558,
121.964

■ 84, 63.368,
122.232

■ 85, 52.285,

122.650

■ 86, 40.649,
123.145

■ 87, 28.693,
123.673

■ 88, 16.574,
124.204

■ 89, 4.402, 124.730

Harmonies

Complementary

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



82, 93.943, 123.130



35, 113.713, 309.715

Rectangle

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



82, 93.943, 123.130



82, 93.943, 173.130



82, 93.943, 303.130



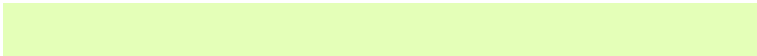
82, 93.943, 353.130

Sweetspot

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



82, 93.943, 123.131



97, 37.469, 123.431



56, 79.470, 51.771



51, 25.810, 123.202



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 93.943, 123.131



91, 105.230, 123.968



79, 106.502, 135.311



47, 6.871, 124.423



65, 79.429, 123.593



18, 29.742, 123.431

Inverse Universe

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



35, 113.713, 309.715



37, 128.174, 309.370



49, 105.068, 323.260



44, 6.988, 305.374



25, 96.759, 309.611



3, 32.711, 305.983

Previews

White Background



This preview shows how the CIELCh color 82, 93.943, 123.130 looks on a white background.

Color Contrast Check

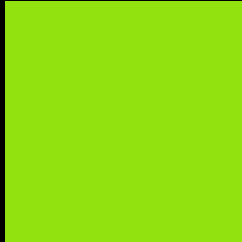
Large Text (above 18pt) WCAG AA × Fail

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 82, 93.943, 123.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

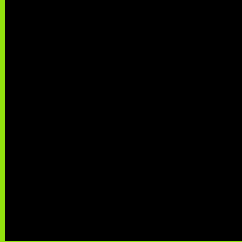
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 93.943, 123.130

Background



This preview shows how black text looks on a background with the CIELCh color 82, 93.943, 123.130.

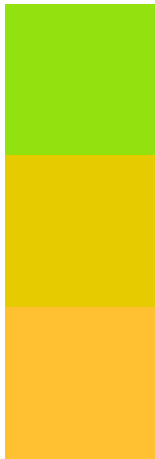


This preview shows how white text looks on a background with the CIELCh color 82, 93.943, 123.130.

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
82, 94.041, 123.102

Protanopia
81, 82.475, 94.846

Deuteranopia
82, 75.291, 82.260



Tritanopia
82, 16.283, 232.409

Trichromacy



Original Color
82, 94.041, 123.102

Protanomaly
81, 83.801, 106.736

Deuteranomaly
81, 77.172, 100.037

Tritanomaly
81, 40.630, 138.517

Monochromacy



Original Color
82, 94.041, 123.102

Achromatopsia
72, 0.009, 296.813

Achromatomaly
75, 42.259, 123.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 93.943, 123.130 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(145, 226, 14)` looks like.

```
.text, #text, p{  
    color:rgb(145, 226, 14)  
}
```

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(145, 226, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 226, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 93.943, 123.130 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(145, 226, 14) }
```

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

```
.border{ border-color:rgb(145, 226, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 226, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 226, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 226, 14);  
box-shadow:4px 4px 4px 4px rgb(145, 226,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 93.943, 123.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 226, 14) }
```

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

```
.background{ background-color: rgb(145,  
226, 14) }
```

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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