

Converting Colors

CIELCh(82, 95.077, 124.730)

Have a look what the booklet for
CIELCh(82, 95.077, 124.730)
contains.

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Color

CIELCh(82, 95.038, 124.685)

Conversions

Conversions Part 1

Format	Color
Hex	8AE312
RGB	138, 227, 18
RGB Percent	54%, 89%, 7%
CMY	0.4594, 0.1103, 0.9306
CMYK	0.39, 0.00, 0.92, 0.11
HSL	86°, 86%, 48%
HSV	86°, 92%, 89%
XYZ	37.9965, 60.2982, 10.1944
YIQ	176.5630, 14.0450, -83.8670

Conversions

Conversions Part 2

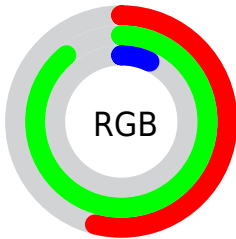
Format	Color
RYB	18, 227, 107
Decimal	9102098
CIELab	82.00, -54.08, 78.15
CIELCh	82, 95.038, 124.685
Yxy	60.2982, 0.3502, 0.5558
Android (android.graphics.Color)	4287292178 (0xFF8AE312)
YUV	176.5630, -78.1716, -33.8198
Hunter-Lab	77.6519, -48.5476, 46.5725

Details

The CIELCh color **82, 95.038, 124.685** 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, 112.469, 310.592**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 80.375, 120.684**, and **62, 82.059, 129.501** is the 20% darker color. If you saturate the color by 10%, you get **82, 97.630, 125.583**, and if you desaturate by 10%, it is **83, 89.903, 123.904**.

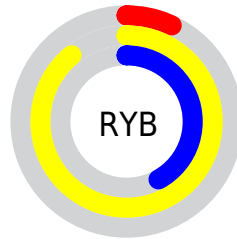
Distribution



Red (54%)

Green (89%)

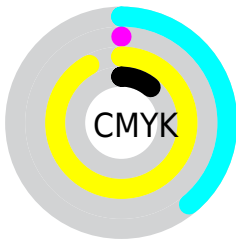
Blue (7%)



Red (7%)

Yellow (89%)

Blue (42%)

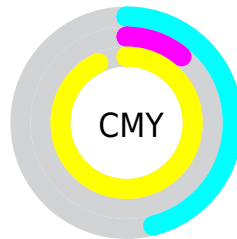


Cyan (39%)

Magenta (0%)

Yellow (92%)

Black (11%)



Cyan (46%)


Magenta (11%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 95.038, 124.685 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, 95.038, 124.685 by changing the saturation by 10% instead.


 82, 95.038,
124.685


 82, 95.038,
124.685


 100, 95.038,
124.685


 72, 95.038,
124.685

 62, 95.038,
124.685

 52, 95.038,
124.685

 42, 95.038,
124.685

 32, 95.038,
124.685

 22, 95.038,
124.685

 12, 95.038,

124.685

■ 2, 95.038, 124.685

■ 0, 95.038, 124.685

■ 82, 95.038,
124.685

■ 82, 95.038,
124.685

■ 82, 97.630,
125.583

■ 83, 89.903,
123.904

■ 83, 82.487,
123.594

■ 84, 73.246,
123.643

■ 85, 62.719,
123.926

■ 85, 51.356,

124.344

■ 86, 39.483,
124.830

■ 88, 27.322,
125.340

■ 89, 15.026,
125.847

■ 90, 2.699, 126.361

Harmonies

Complementary

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



82, 95.038, 124.685



36, 112.469, 310.592

Rectangle

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



82, 95.038, 124.685



82, 95.038, 174.685



82, 95.038, 304.685



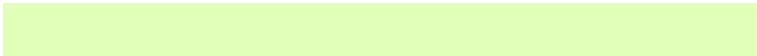
82, 95.038, 354.685

Sweetspot

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



82, 95.038, 124.686



96, 37.817, 125.034



58, 76.922, 55.559



51, 26.054, 124.814



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, 95.038, 124.686



91, 106.748, 125.690



79, 107.055, 135.760



47, 6.929, 125.985



65, 80.547, 125.306



17, 30.118, 125.162

Inverse Universe

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



36, 112.469, 310.592



39, 127.071, 310.124



51, 104.657, 325.099



44, 7.039, 306.879



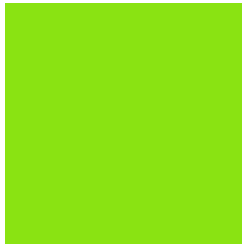
26, 95.932, 310.377



3, 32.970, 307.511

Previews

White Background



This preview shows how the CIELCh color 82, 95.038, 124.685 looks on a white background.

Color Contrast Check

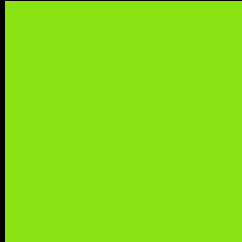
Large Text (above 18pt) WCAG AA × Fail

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 82, 95.038, 124.685 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, 95.038, 124.685

Background



This preview shows how black text looks on a background with the CIELCh color 82, 95.038, 124.685.



This preview shows how white text looks on a background with the CIELCh color 82, 95.038, 124.685.

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, 95.038, 124.685

Protanopia
81, 82.475, 94.846

Deuteranopia
81, 75.154, 81.847



Tritanopia
82, 17.812, 229.062

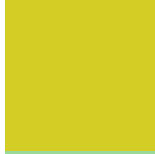
Trichromacy



Original Color
82, 95.038, 124.685



Protanomaly
81, 84.128, 107.601



Deuteranomaly
81, 76.623, 101.041

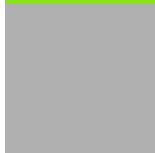


Tritanomaly
81, 41.555, 141.620

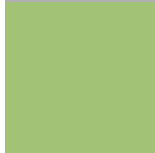
Monochromacy



Original Color
82, 95.038, 124.685



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 42.065, 124.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 95.038, 124.685 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(138, 227, 18)` looks like.

```
.text, #text, p{  
    color:rgb(138, 227, 18)  
}
```

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(138, 227, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 227, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 95.038, 124.685 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(138, 227, 18) }
```

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

```
.border{ border-color:rgb(138, 227, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 227, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 227, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 227, 18);  
box-shadow:4px 4px 4px 4px rgb(138, 227,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 95.038, 124.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 227, 18) }
```

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

```
.background{ background-color: rgb(138,  
227, 18) }
```

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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