

Converting Colors

CIELCh(90, 104.122, 127.008)

Have a look what the booklet for
CIELCh(90, 104.122, 127.008)
contains.

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Color

CIELCh(90, 103.978, 126.936)

Conversions

Conversions Part 1

Format	Color
Hex	8EFD1E
RGB	142, 253, 30
RGB Percent	56%, 99%, 12%
CMY	0.4419, 0.0067, 0.8841
CMYK	0.44, 0.00, 0.88, 0.01
HSL	90°, 98%, 55%
HSV	90°, 88%, 99%
XYZ	46.6536, 76.3034, 13.4673
YIQ	194.3890, 5.4270, -92.8850

Conversions

Conversions Part 2

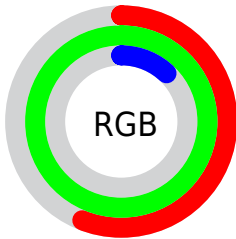
Format	Color
R _Y B	30, 253, 141
Decimal	9370910
CIE Lab	90.00, -62.48, 83.11
CIE LCh	90, 103.978, 126.936
Yxy	76.3034, 0.3420, 0.5593
Android (android.graphics.Color)	4287560990 (0xFF8EFD1E)
YUV	194.3890, -81.0438, -45.9452
Hunter-Lab	87.3518, -57.5309, 52.0054

Details

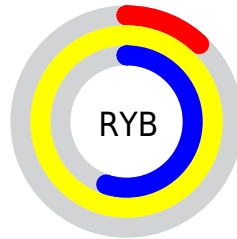
The CIELCh color **90, 103.978, 126.936** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **44, 118.519, 312.295**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 76.393, 120.265**, and **70, 91.969, 131.024** is the 20% darker color. If you saturate the color by 10%, you get **89, 108.164, 128.036**, and if you desaturate by 10%, it is **91, 97.226, 126.331**.

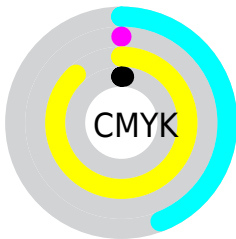
Distribution



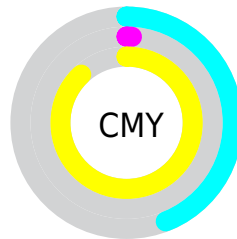
- Red (56%)
- Green (99%)
- Blue (12%)



- Red (12%)
- Yellow (99%)
- Blue (55%)



- Cyan (44%)
- Magenta (0%)
- Yellow (88%)
- Black (1%)





- Cyan (44%)
- Magenta (1%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 103.978, 126.936 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 90, 103.978, 126.936 by changing the saturation by 10% instead.


 90, 103.978,
126.936


 90, 103.978,
126.936


 100, 103.978,
126.936


 80, 103.978,
126.936


 70, 103.978,
126.936

 60, 103.978,
126.936

 50, 103.978,
126.936

 40, 103.978,
126.936

 30, 103.978,
126.936

 20, 103.978,

126.936

■ 10, 103.978,
126.936

■ 0, 103.978,
126.936

■ 90, 103.978,
126.936

■ 90, 103.978,
126.936

■ 89, 108.164,
128.036

■ 91, 97.226,
126.331

■ 89, 108.738,
128.232

■ 91, 88.098,
126.169

■ 92, 77.166,
126.322

■ 93, 65.010,
126.667

■ 94, 52.080,
127.114

■ 95, 38.696,
127.601

■ 97, 25.080,
128.094

■ 98, 11.382,
128.573

100, 1.067,
324.189

Harmonies

Complementary

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



90, 103.978, 126.936



44, 118.519, 312.295

Rectangle

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



90, 103.978, 126.936



90, 103.978, 176.936



90, 103.978, 306.936



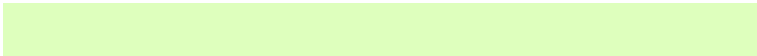
90, 103.978, 356.936

Sweetspot

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



90, 103.978, 126.937



96, 35.734, 127.716



69, 79.181, 61.611



51, 24.197, 127.545



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 103.978, 126.937



90, 109.298, 128.238



87, 115.712, 136.340



53, 7.815, 128.517



69, 87.789, 127.953



23, 39.059, 126.400

Inverse Universe

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



44, 118.519, 312.295



41, 125.158, 311.586



60, 112.294, 327.543



49, 7.925, 309.352



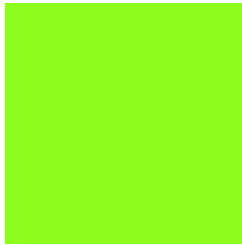
30, 100.618, 311.781



6, 44.904, 312.770

Previews

White Background



This preview shows how the CIE LCh color 90, 103.978, 126.936 looks on a white background.

Color Contrast Check

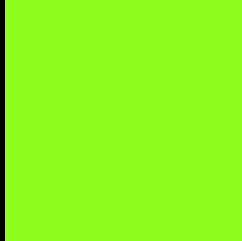
Large Text (above 18pt) WCAG AA × Fail

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 90, 103.978, 126.936 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 90, 103.978, 126.936

Background



This preview shows how black text looks on a background with the CIELCh color 90, 103.978, 126.936.



This preview shows how white text looks on a background with the CIELCh color 90, 103.978, 126.936.

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

90, 103.835, 126.978

Protanopia

89, 87.427, 94.730

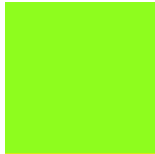
Deuteranopia

89, 29.761, 79.212



Tritanopia
90, 21.913, 223.713

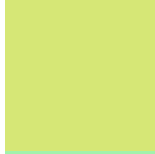
Trichromacy



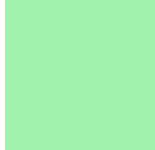
Original Color
90, 103.835, 126.978



Protanomaly
89, 89.558, 108.956

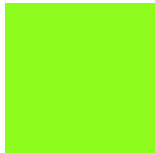


Deuteranomaly
88, 56.968, 112.494

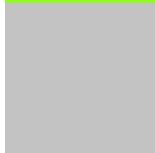


Tritanomaly
89, 46.562, 145.828

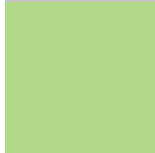
Monochromacy



Original Color
90, 103.835, 126.978



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 44.788, 127.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 103.978, 126.936 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(142, 253, 30)` looks like.

```
.text, #text, p{  
    color:rgb(142, 253, 30)  
}
```

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(142, 253, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 253, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 103.978, 126.936 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(142, 253, 30) }
```

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

```
.border{ border-color:rgb(142, 253, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 253, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 253, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 253, 30);  
box-shadow:4px 4px 4px 4px rgb(142, 253,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 103.978, 126.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 253, 30) }
```

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

```
.background{ background-color: rgb(142,  
253, 30) }
```

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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