

Converting Colors

CIELCh(91, 107.005, 125.964)

Have a look what the booklet for
CIELCh(91, 107.005, 125.964)
contains.

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Color

CIELCh(91, 106.490, 125.855)

Conversions

Conversions Part 1

Format	Color
Hex	93FF09
RGB	147, 255, 9
RGB Percent	58%, 100%, 4%
CMY	0.4228, 0.0000, 0.9628
CMYK	0.42, 0.00, 0.96, 0.00
HSL	86°, 100%, 52%
HSV	86°, 96%, 100%
XYZ	48.2390, 78.4833, 12.8777
YIQ	194.6640, 14.5980, -99.4020

Conversions

Conversions Part 2

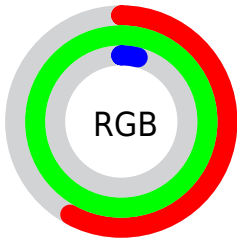
Format	Color
R_{YB}	9, 255, 117
Decimal	9699081
CIE _{Lab}	91.00, -62.38, 86.31
CIE _{LCh}	91, 106.490, 125.855
Yxy	78.4833, 0.3456, 0.5622
Android (android.graphics.Color)	4287889161 (0xFF93FF09)
YUV	194.6640, -91.5324, -41.8013
Hunter-Lab	88.5908, -57.8381, 53.3951

Details

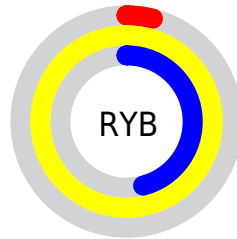
The CIELCh color **91, 106.490, 125.855** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **40, 125.025, 310.613**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 78.423, 117.972**, and **71, 92.114, 130.477** is the 20% darker color. If you saturate the color by 10%, you get **90, 107.241, 126.213**, and if you desaturate by 10%, it is **91, 101.556, 124.723**.

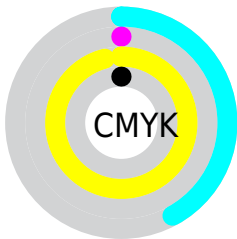
Distribution



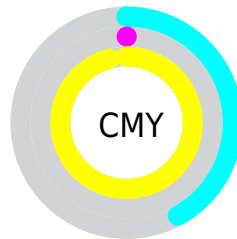
- Red (58%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (46%)



- Cyan (42%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 106.490, 125.855 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 91, 106.490, 125.855 by changing the saturation by 10% instead.

■ 91, 106.490,
125.855

■ 91, 106.490,
125.855

■ 100, 106.490,
125.855

■ 81, 106.490,
125.855

■ 71, 106.490,
125.855

■ 61, 106.490,
125.855

■ 51, 106.490,
125.855

■ 41, 106.490,
125.855

■ 31, 106.490,
125.855

■ 21, 106.490,

125.855

■ 11, 106.490,
125.855

■ 1, 106.490,
125.855

■ 91, 106.490,
125.855

■ 91, 106.490,
125.855

■ 90, 107.241,
126.213

■ 91, 101.556,
124.723

■ 92, 94.460,
124.202

■ 93, 85.082,
124.102

■ 93, 74.019,
124.294

■ 94, 61.828,
124.664

■ 95, 48.932,
125.127

■ 97, 35.624,
125.629

■ 98, 22.107,
126.137

■ 99, 8.515, 126.635

Harmonies

Complementary

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



91, 106.490, 125.855



40, 125.025, 310.613

Rectangle

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



91, 106.490, 125.855



91, 106.490, 175.855



91, 106.490, 305.855



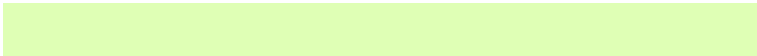
91, 106.490, 355.855

Sweetspot

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



91, 106.029, 125.754



96, 39.274, 125.491



65, 86.318, 55.611



51, 26.891, 125.276



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 106.029, 125.754



90, 107.241, 126.213



88, 118.590, 135.851



53, 7.717, 126.475



70, 86.158, 125.926



24, 38.411, 124.355

Inverse Universe

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



40, 125.025, 310.613



39, 126.707, 310.386



58, 115.336, 325.640



49, 7.838, 307.366



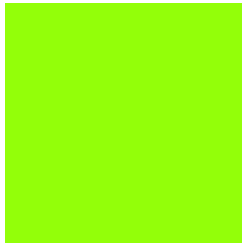
29, 101.847, 310.576



6, 44.920, 311.225

Previews

White Background



This preview shows how the CIELCh color 91, 106.490, 125.855 looks on a white background.

Color Contrast Check

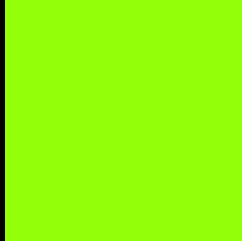
Large Text (above 18pt) WCAG AA × Fail

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 91, 106.490, 125.855 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 91, 106.490, 125.855

Background



This preview shows how black text looks on a background with the CIELCh color 91, 106.490, 125.855.

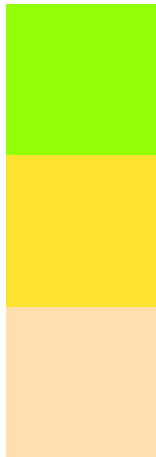


This preview shows how white text looks on a background with the CIELCh color 91, 106.490, 125.855.

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

91, 106.088, 125.774

Protanopia

90, 82.467, 95.018

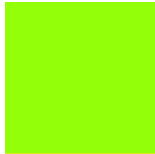
Deuteranopia

90, 27.232, 79.673

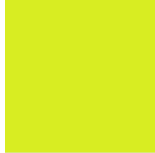


Tritanopia
90, 20.380, 225.839

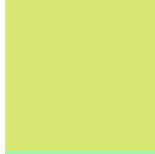
Trichromacy



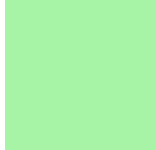
Original Color
91, 106.088, 125.774



Protanomaly
90, 88.361, 108.878



Deuteranomaly
89, 59.647, 112.407

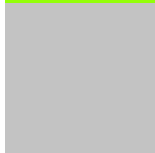


Tritanomaly
90, 49.013, 141.851

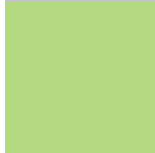
Monochromacy



Original Color
91, 106.088, 125.774



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 48.349, 124.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 106.490, 125.855 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(147, 255, 9)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 9)  
}
```

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(147, 255, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 106.490, 125.855 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(147, 255, 9) }
```

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

```
.border{ border-color:rgb(147, 255, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 9);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 106.490, 125.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 9) }
```

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

```
.background{ background-color: rgb(147,  
255, 9) }
```

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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