

Converting Colors

CIELCh(91, 105.480, 124.664)

Have a look what the booklet for
CIELCh(91, 105.480, 124.664)
contains.

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Color

CIELCh(91, 105.358, 124.594)

Conversions

Conversions Part 1

Format	Color
Hex	9AFF05
RGB	154, 255, 5
RGB Percent	60%, 100%, 2%
CMY	0.3956, 0.0000, 0.9785
CMYK	0.40, 0.00, 0.98, 0.00
HSL	84°, 100%, 51%
HSV	84°, 98%, 100%
XYZ	49.1728, 78.4833, 12.7132
YIQ	196.3010, 20.0540, -99.1620

Conversions

Conversions Part 2

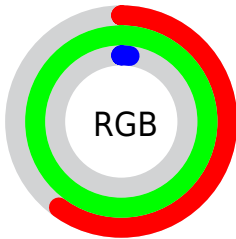
Format	Color
RYB	5, 255, 106
Decimal	10157829
CIELab	91.00, -59.82, 86.73
CIELCh	91, 105.358, 124.594
Yxy	78.4833, 0.3503, 0.5591
Android (android.graphics.Color)	4288347909 (0xFF9AFF05)
YUV	196.3010, -94.3114, -37.0980
Hunter-Lab	88.5908, -55.9565, 53.5052

Details

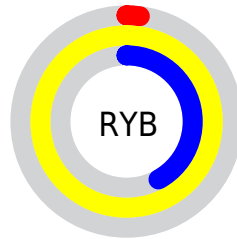
The CIELCh color **91, 105.358, 124.594** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **39, 126.620, 309.846**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 77.851, 116.317**, and **71, 90.987, 129.318** is the 20% darker color. If you saturate the color by 10%, you get **91, 105.982, 124.844**, and if you desaturate by 10%, it is **91, 101.346, 123.495**.

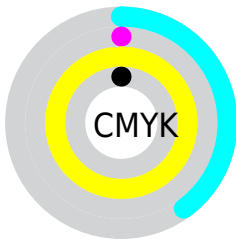
Distribution



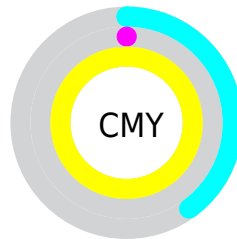
- Red (60%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (42%)



- Cyan (40%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 105.358, 124.594 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, 105.358, 124.594 by changing the saturation by 10% instead.

■ 91, 105.358,
124.594

■ 91, 105.358,
124.594

■ 100, 105.358,
124.594

■ 81, 105.358,
124.594

■ 71, 105.358,
124.594

■ 61, 105.358,
124.594


■ 51, 105.358,
124.594


■ 41, 105.358,
124.594


■ 31, 105.358,
124.594


■ 21, 105.358,


124.594


 11, 105.358,
124.594


 1, 105.358,
124.594


 91, 105.358,
124.594


 91, 105.358,
124.594

 91, 105.982,
124.844

 91, 101.346,
123.495

 92, 94.793,
122.906

 93, 85.876,
122.754

 94, 75.173,
122.914

■ 94, 63.260,
123.268

■ 95, 50.580,
123.731

■ 96, 37.444,
124.242

■ 98, 24.064,
124.766

■ 99, 10.582,
125.283

Harmonies

Complementary

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



91, 105.358, 124.594



39, 126.620, 309.846

Rectangle

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



91, 105.358, 124.594



91, 105.358, 174.594



91, 105.358, 304.594



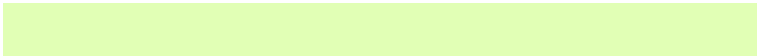
91, 105.358, 354.594

Sweetspot

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



91, 105.311, 124.584



96, 38.966, 124.182



63, 88.744, 52.849



51, 26.676, 123.962



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, 105.311, 124.584



91, 105.982, 124.844



88, 118.661, 135.657



53, 7.663, 125.198



70, 85.163, 124.561



24, 38.027, 123.007

Inverse Universe

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



39, 126.620, 309.846



38, 127.630, 309.734



56, 115.944, 324.339



49, 7.790, 306.133



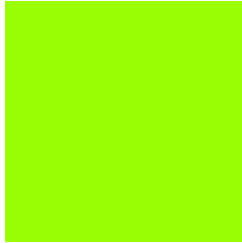
28, 102.584, 309.918



5, 44.900, 310.304

Previews

White Background



This preview shows how the CIE LCh color 91, 105.358, 124.594 looks on a white background.

Color Contrast Check

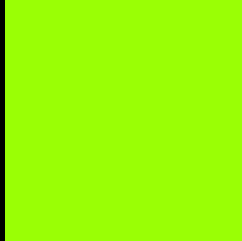
Large Text (above 18pt) WCAG AA × Fail

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, 105.358, 124.594 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, 105.358, 124.594

Background



This preview shows how black text looks on a background with the CIELCh color 91, 105.358, 124.594.

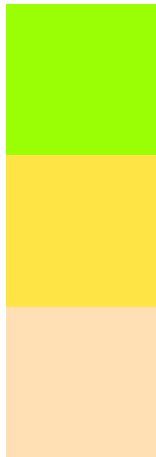


This preview shows how white text looks on a background with the CIELCh color 91, 105.358, 124.594.

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, 105.358, 124.594

Protanopia

90, 76.429, 95.237

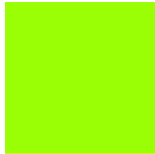
Deuteranopia

90, 26.087, 79.520

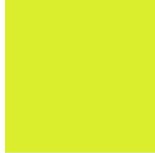


Tritanopia
91, 18.846, 228.366

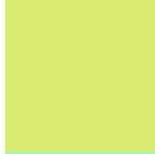
Trichromacy



Original Color
91, 105.358, 124.594



Protanomaly
90, 86.087, 108.925

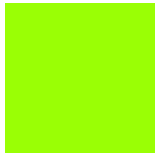


Deuteranomaly
90, 59.569, 112.036

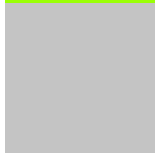


Tritanomaly
90, 48.496, 139.039

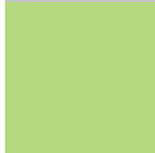
Monochromacy



Original Color
91, 105.358, 124.594



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 48.429, 123.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 105.358, 124.594 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(154, 255, 5)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 5)  
}
```

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(154, 255, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 105.358, 124.594 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(154, 255, 5) }
```

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

```
.border{ border-color:rgb(154, 255, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 5);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 105.358, 124.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 5) }
```

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

```
.background{ background-color: rgb(154,  
255, 5) }
```

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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