

Converting Colors

CIELCh(91, 95.993, 124.165)

Have a look what the booklet for
CIELCh(91, 95.993, 124.165)
contains.

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Color

CIELCh(91, 95.962, 124.141)

Conversions

Conversions Part 1	
Format	Color
Hex	A6FD35
RGB	166, 253, 53
RGB Percent	65%, 99%, 21%
CMY	0.3497, 0.0085, 0.7930
CMYK	0.34, 0.00, 0.79, 0.01
HSL	86°, 98%, 60%
HSV	86°, 79%, 99%
XYZ	51.3963, 78.4833, 15.7823
YIQ	204.1870, 12.3480, -80.6440

Conversions

Conversions Part 2

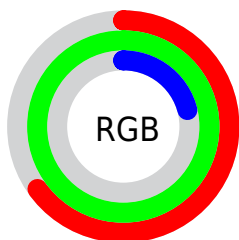
Format	Color
RYB	53, 253, 140
Decimal	10943797
CIELab	91.00, -53.86, 79.42
CIELCh	91, 95.962, 124.141
Yxy	78.4833, 0.3528, 0.5388
Android (android.graphics.Color)	4289133877 (0xFFA6FD35)
YUV	204.1870, -74.5352, -33.4900
Hunter-Lab	88.5908, -51.4765, 51.4512

Details

The CIELCh color **91, 95.962, 124.141** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **46, 111.085, 310.968**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 68.533, 114.787**, and **71, 88.357, 126.696** is the 20% darker color. If you saturate the color by 10%, you get **90, 102.277, 124.801**, and if you desaturate by 10%, it is **92, 87.246, 123.937**.

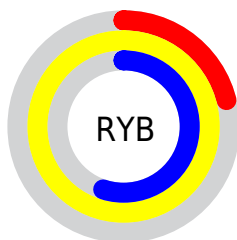
Distribution



Red (65%)

Green (99%)

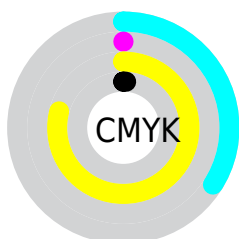
Blue (21%)



Red (21%)

Yellow (99%)

Blue (55%)

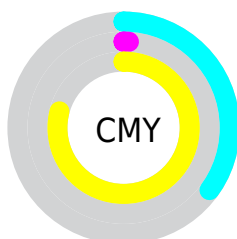


Cyan (34%)

Magenta (0%)

Yellow (79%)

Black (1%)



Cyan (35%)


Magenta (1%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 95.962, 124.141 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, 95.962, 124.141 by changing the saturation by 10% instead.


 91, 95.962,
124.141


 91, 95.962,
124.141


 100, 95.962,
124.141


 81, 95.962,
124.141


 71, 95.962,
124.141

 61, 95.962,
124.141


 51, 95.962,
124.141

 41, 95.962,
124.141


 31, 95.962,
124.141


 21, 95.962,


124.141


 11, 95.962,
124.141


 1, 95.962, 124.141


 91, 95.962,
124.141


 91, 95.962,
124.141


 90, 102.277,
124.801


 92, 87.246,
123.937

 90, 106.106,
125.941

 92, 76.685,
124.060

 90, 106.392,
126.047

 93, 64.861,
124.390

 94, 52.232,
124.834

■ 95, 39.123,
125.330

■ 97, 25.756,
125.840

■ 98, 12.281,
126.342

99, 1.168, 307.131

99, 1.355, 324.261

Harmonies

Complementary

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



91, 95.962, 124.141



46, 111.085, 310.968

Rectangle

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



91, 95.962, 124.141



91, 95.962, 174.141



91, 95.962, 304.141



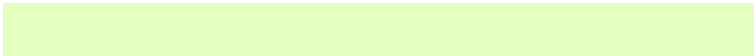
91, 95.962, 354.141

Sweetspot

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



91, 95.962, 124.142



97, 32.527, 125.591



69, 72.301, 59.077



51, 22.320, 125.409



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, 95.962, 124.142



91, 105.457, 125.435



88, 109.098, 136.395



53, 7.711, 126.323



70, 86.038, 125.768



24, 38.365, 124.198

Inverse Universe

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



46, 111.085, 310.968



40, 124.538, 310.611



60, 107.309, 325.741



49, 7.832, 307.219



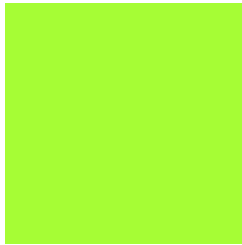
28, 101.936, 310.494



6, 44.918, 311.114

Previews

White Background



This preview shows how the CIE LCh color 91, 95.962, 124.141 looks on a white background.

Color Contrast Check

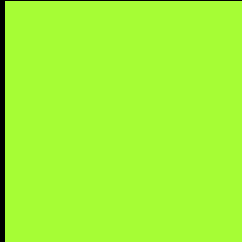
Large Text (above 18pt) WCAG AA × Fail

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 91, 95.962, 124.141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

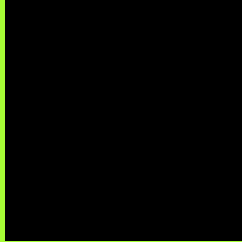
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

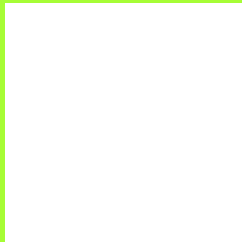
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 95.962, 124.141

Background



This preview shows how black text looks on a background with the CIELCh color 91, 95.962, 124.141.

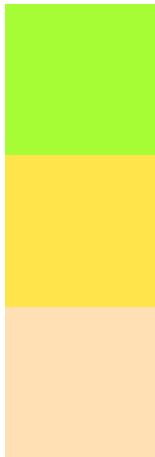


This preview shows how white text looks on a background with the CIELCh color 91, 95.962, 124.141.

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, 95.962, 124.141

Protanopia

90, 74.327, 95.180

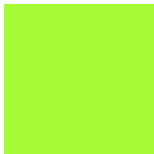
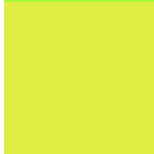

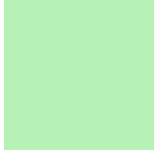
Deuteranopia

90, 25.627, 79.042

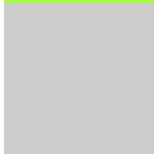


Tritanopia
91, 17.080, 234.113

Trichromacy

	Original Color 91, 95.962, 124.141
	Protanomaly 90, 79.562, 108.020
	Deuteranomaly 90, 50.565, 111.091
	Tritanomaly 90, 37.812, 142.361

Monochromacy

	Original Color 91, 95.962, 124.141
	Achromatopsia 82, 0.010, 296.813
	Achromatomaly 85, 39.720, 125.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 95.962, 124.141 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(166, 253, 53)` looks like.

```
.text, #text, p{  
    color:rgb(166, 253, 53)  
}
```

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(166, 253, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 253, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 95.962, 124.141 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(166, 253, 53) }
```

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

```
.border{ border-color:rgb(166, 253, 53) }
```

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

Here you see how a box with a 4 pixel rgb(166, 253, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 253, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 253, 53);  
box-shadow:4px 4px 4px 4px rgb(166, 253,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 95.962, 124.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 253, 53) }
```

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

```
.background{ background-color: rgb(166,  
253, 53) }
```

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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