

Converting Colors

CIELCh(92, 91.500, 123.004)

Have a look what the booklet for
CIELCh(92, 91.500, 123.004)
contains.

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Color

CIELCh(92, 91.468, 123.009)

Conversions

Conversions Part 1

Format	Color
Hex	B1FE42
RGB	177, 254, 66
RGB Percent	69%, 100%, 26%
CMY	0.3055, 0.0035, 0.7407
CMYK	0.30, 0.00, 0.74, 0.00
HSL	85°, 99%, 63%
HSV	85°, 74%, 100%
XYZ	54.6174, 80.7044, 17.8711
YIQ	209.5450, 14.4560, -74.7920

Conversions

Conversions Part 2

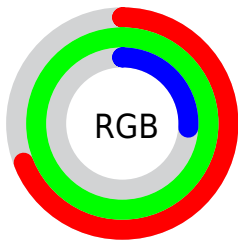
Format	Color
RYB	66, 254, 143
Decimal	11664962
CIELab	92.00, -49.83, 76.70
CIELCh	92, 91.468, 123.009
Yxy	80.7044, 0.3565, 0.5268
Android (android.graphics.Color)	4289855042 (0xFFB1FE42)
YUV	209.5450, -70.7677, -28.5420
Hunter-Lab	89.8356, -48.6896, 51.0903

Details

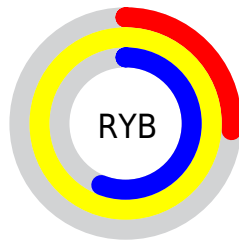
The CIELCh color **92, 91.468, 123.009** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **48, 105.856, 310.242**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 63.543, 111.873**, and **72, 86.994, 124.459** is the 20% darker color. If you saturate the color by 10%, you get **91, 98.999, 123.417**, and if you desaturate by 10%, it is **93, 81.790, 122.994**.

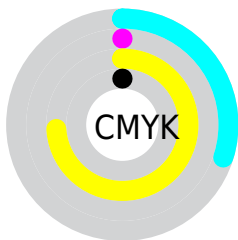
Distribution



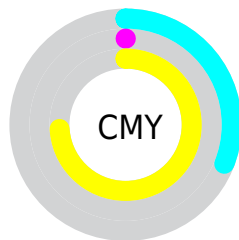
- Red (69%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (56%)



- Cyan (30%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 91.468, 123.009 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 92, 91.468, 123.009 by changing the saturation by 10% instead.


 92, 91.468,
123.009


 92, 91.468,
123.009

 100, 91.468,
123.009


 82, 91.468,
123.009

 72, 91.468,
123.009

 62, 91.468,
123.009

 52, 91.468,
123.009

 42, 91.468,
123.009

 32, 91.468,
123.009

 22, 91.468,

123.009

■ 12, 91.468,
123.009

■ 2, 91.468, 123.009

■ 92, 91.468,
123.009

■ 92, 91.468,
123.009

■ 91, 98.999,
123.417

■ 93, 81.790,
122.994

■ 91, 103.949,
124.319

■ 94, 70.567,
123.240

■ 91, 105.890,
125.056

■ 94, 58.326,
123.643

■ 95, 45.456,
124.128

97, 32.225,
124.645

98, 18.813,
125.165

99, 5.343, 125.679

100, 0.562,
323.910

Harmonies

Complementary

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



92, 91.468, 123.009



48, 105.856, 310.242

Rectangle

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



92, 91.468, 123.009



92, 91.468, 173.009



92, 91.468, 303.009



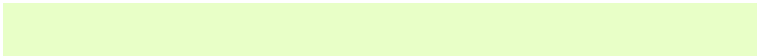
92, 91.468, 353.009

Sweetspot

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



92, 91.468, 123.010



97, 29.665, 124.748



70, 68.072, 56.851



51, 19.918, 124.607



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 91.468, 123.010



91, 102.095, 123.807



89, 104.425, 136.260



53, 7.671, 125.394



70, 85.314, 124.775



24, 38.085, 123.217

Inverse Universe

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



48, 105.856, 310.242



41, 121.397, 310.355



61, 103.722, 324.597



49, 7.797, 306.322



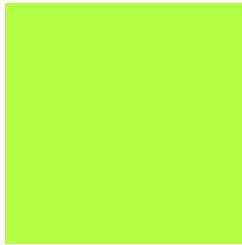
28, 102.473, 310.015



5, 44.904, 310.443

Previews

White Background



This preview shows how the CIELCh color 92, 91.468, 123.009 looks on a white background.

Color Contrast Check

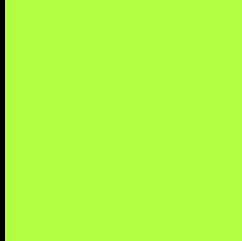
Large Text (above 18pt) WCAG AA × Fail

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 92, 91.468, 123.009 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

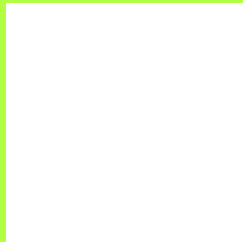
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 91.468, 123.009

Background



This preview shows how black text looks on a background with the CIELCh color 92, 91.468, 123.009.

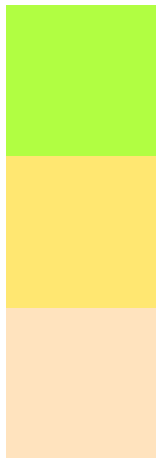


This preview shows how white text looks on a background with the CIELCh color 92, 91.468, 123.009.

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](#).

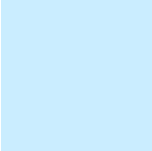
Dichromacy



Original Color
92, 91.468, 123.009

Protanopia
92, 59.766, 95.688

Deuteranopia
92, 21.994, 79.181

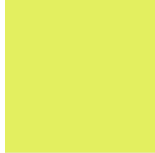


Tritanopia
92, 14.589, 238.707

Trichromacy



Original Color
92, 91.468, 123.009



Protanomaly
91, 69.566, 108.696

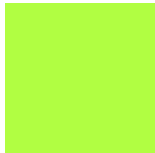


Deuteranomaly
91, 46.621, 111.327

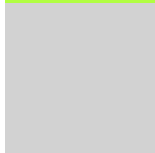


Tritanomaly
91, 34.656, 139.753

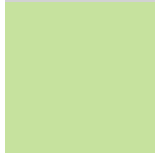
Monochromacy



Original Color
92, 91.468, 123.009



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 36.703, 124.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 91.468, 123.009 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(177, 254, 66)` looks like.

```
.text, #text, p{  
    color:rgb(177, 254, 66)  
}
```

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(177, 254, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 254, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 91.468, 123.009 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(177, 254, 66) }
```

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

```
.border{ border-color:rgb(177, 254, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 254, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 254, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 254, 66);  
box-shadow:4px 4px 4px 4px rgb(177, 254,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 91.468, 123.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 254, 66) }
```

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

```
.background{ background-color: rgb(177,  
254, 66) }
```

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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