

Converting Colors

CIELCh(91, 84.358, 132.650)

Have a look what the booklet for
CIELCh(91, 84.358, 132.650)
contains.

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Color

CIELCh(91, 84.359, 132.650)

Conversions

Conversions Part 1

Format	Color
Hex	94FF66
RGB	148, 255, 102
RGB Percent	58%, 100%, 40%
CMY	0.4211, 0.0015, 0.6014
CMYK	0.42, 0.00, 0.60, 0.00
HSL	102°, 100%, 70%
HSV	102°, 60%, 100%
XYZ	50.1581, 78.4833, 24.9804
YIQ	205.5650, -14.6590, -70.2670

Conversions

Conversions Part 2

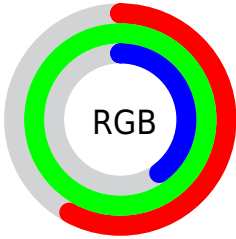
Format	Color
RYB	102, 255, 209
Decimal	9764710
CIELab	91.00, -57.15, 62.05
CIELCh	91, 84.359, 132.650
Yxy	78.4833, 0.3265, 0.5109
Android (android.graphics.Color)	4287954790 (0xFF94FF66)
YUV	205.5650, -51.0575, -50.4845
Hunter-Lab	88.5908, -53.9714, 45.2953

Details

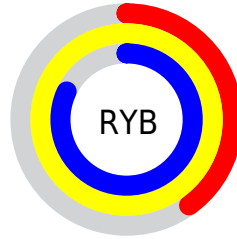
The CIELCh color **91, 84.359, 132.650** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62, 87.913, 318.104**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 51.962, 127.082**, and **71, 84.063, 132.667** is the 20% darker color. If you saturate the color by 10%, you get **90, 95.705, 132.318**, and if you desaturate by 10%, it is **92, 71.582, 133.143**.

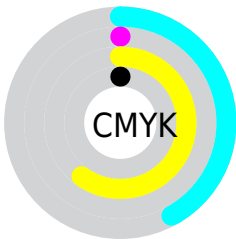
Distribution



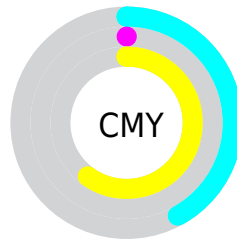
- Red (58%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (82%)



- Cyan (42%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 84.359, 132.650 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, 84.359, 132.650 by changing the saturation by 10% instead.

■ 91, 84.359,
132.650

■ 91, 84.359,
132.650

■ 100, 84.359,
132.650

■ 81, 84.359,
132.650

■ 71, 84.359,
132.650

■ 61, 84.359,
132.650

■ 51, 84.359,
132.650

■ 41, 84.359,
132.650

■ 31, 84.359,
132.650

■ 21, 84.359,

132.650

■ 11, 84.359,
132.650

■ 1, 84.359, 132.650

■ 91, 84.359,
132.650

■ 91, 84.359,
132.650

■ 90, 95.705,
132.318

■ 92, 71.582,
133.143

■ 89, 104.990,
132.274

■ 93, 57.885,
133.701

■ 89, 111.629,
132.641

■ 95, 43.651,
134.263

■ 88, 115.589,
133.388

■ 96, 29.156,
134.799

■ 98, 14.594,
135.293

100, 0.107,
137.734

100, 0.248,
323.204

Harmonies

Complementary

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



91, 84.359, 132.650



62, 87.913, 318.104

Rectangle

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



91, 84.359, 132.650



91, 84.359, 182.650



91, 84.359, 312.650



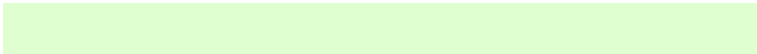
91, 84.359, 2.650

Sweetspot

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



91, 84.360, 132.651



97, 26.156, 134.905



85, 57.682, 84.310



51, 18.184, 134.756



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, 84.360, 132.651



90, 97.783, 132.283



90, 81.137, 144.085



52, 8.238, 135.321



68, 92.958, 133.172



23, 41.317, 132.069

Inverse Universe

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



62, 87.913, 318.104



56, 102.176, 318.244



67, 79.973, 333.965



50, 8.306, 316.103



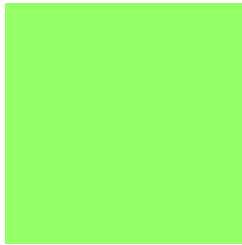
36, 96.472, 317.325



8, 44.095, 318.493

Previews

White Background



This preview shows how the CIE LCh color 91, 84.359, 132.650 looks on a white background.

Color Contrast Check

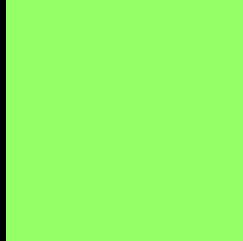
Large Text (above 18pt) WCAG AA × Fail

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, 84.359, 132.650 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

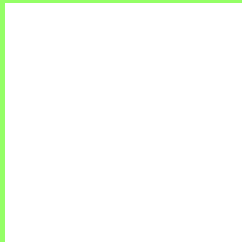
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 84.359, 132.650

Background



This preview shows how black text looks on a background with the CIELCh color 91, 84.359, 132.650.



This preview shows how white text looks on a background with the CIELCh color 91, 84.359, 132.650.

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, 84.359, 132.650

Protanopia

90, 66.880, 95.241

Deuteranopia

91, 24.262, 77.489

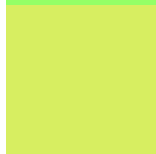


Tritanopia
91, 19.936, 224.797

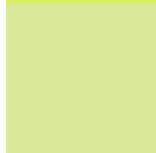
Trichromacy



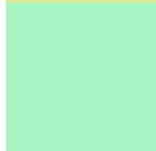
Original Color
91, 84.359, 132.650



Protanomaly
90, 69.272, 112.487



Deuteranomaly
90, 41.819, 116.557

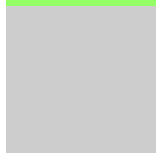


Tritanomaly
90, 35.295, 155.923

Monochromacy



Original Color
91, 84.359, 132.650



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 32.719, 134.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 84.359, 132.650 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(148, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 102)  
}
```

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(148, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 84.359, 132.650 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(148, 255, 102) }
```

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

```
.border{ border-color:rgb(148, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 255, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 255, 102); box-shadow:4px 4px 4px 4px rgb(148, 255, 102) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 84.359, 132.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 102) }
```

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

```
.background{ background-color: rgb(148,  
255, 102) }
```

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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