

Converting Colors

CIELCh(100, 83.040, 136.016)

Have a look what the booklet for
CIELCh(100, 83.040, 136.016)
contains.

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Color

CIELCh(92, 68.402, 135.157)

Conversions

Conversions Part 1

Format	Color
Hex	A3FE87
RGB	163, 254, 135
RGB Percent	64%, 100%, 53%
CMY	0.3593, 0.0025, 0.4689
CMYK	0.36, 0.00, 0.47, 0.00
HSL	106°, 99%, 76%
HSV	106°, 47%, 100%
XYZ	55.1431, 80.7044, 35.7474
YIQ	213.2250, -16.0370, -56.3010

Conversions

Conversions Part 2

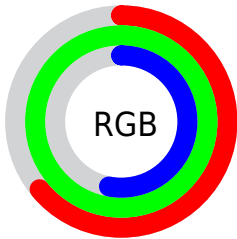
Format	Color
RYB	135, 254, 226
Decimal	10747527
CIELab	92.00, -48.50, 48.23
CIElCh	92, 68.402, 135.157
Yxy	80.7044, 0.3214, 0.4703
Android (android.graphics.Color)	4288937607 (0xFFA3FE87)
YUV	213.2250, -38.5649, -44.0473
Hunter-Lab	89.8356, -47.6452, 39.2923

Details

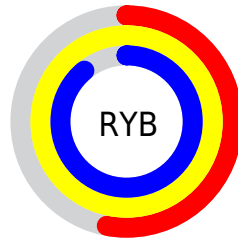
The CIELCh color **92, 68.402, 135.157** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **70, 70.070, 319.744**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 35.277, 128.697**, and **72, 68.731, 135.147** is the 20% darker color. If you saturate the color by 10%, you get **91, 81.742, 134.539**, and if you desaturate by 10%, it is **93, 54.237, 135.795**.

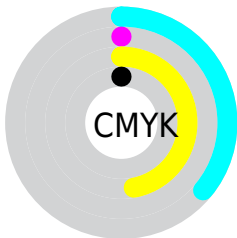
Distribution



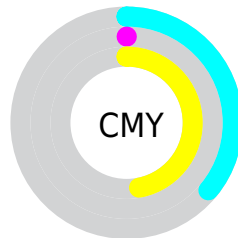
- Red (64%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 68.402, 135.157 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, 68.402, 135.157 by changing the saturation by 10% instead.


 92, 68.402,
135.157


 92, 68.402,
135.157


 100, 68.402,
135.157


 82, 68.402,
135.157

 72, 68.402,
135.157

 62, 68.402,
135.157

 52, 68.402,
135.157

 42, 68.402,
135.157

 32, 68.402,
135.157

 22, 68.402,

135.157

■ 12, 68.402,
135.157

■ 2, 68.402, 135.157

■ 92, 68.402,
135.157

■ 92, 68.402,
135.157

■ 91, 81.742,
134.539

■ 93, 54.237,
135.795

■ 90, 93.765,
134.018

■ 95, 39.609,
136.405

■ 89, 103.857,
133.714

■ 97, 24.782,
136.966

■ 89, 111.377,
133.758

■ 98, 9.951, 137.476

100, 0.399,

■ 88,115.957,
134.226

323.681

■ 88,117.000,
134.403

Harmonies

Complementary

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



92, 68.402, 135.157



70, 70.070, 319.744

Rectangle

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



92, 68.402, 135.157



92, 68.402, 185.157



92, 68.402, 315.157



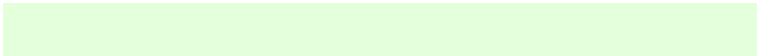
92, 68.402, 5.157

Sweetspot

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



92, 68.403, 135.158



97, 20.720, 137.111



90, 47.224, 91.337



52, 14.315, 136.998



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, 68.403, 135.158



91, 80.925, 134.583



91, 61.519, 148.087



52, 8.397, 137.339



68, 94.196, 134.225



23, 41.945, 133.369

Inverse Universe

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



70, 70.070, 319.744



65, 83.080, 320.032



72, 61.739, 335.715



50, 8.452, 318.149



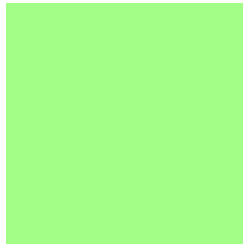
38, 95.377, 319.475



9, 43.685, 320.450

Previews

White Background



This preview shows how the CIE LCh color 92, 68.402, 135.157 looks on a white background.

Color Contrast Check

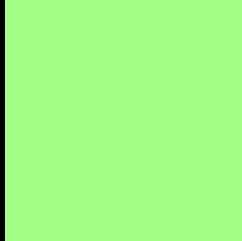
Large Text (above 18pt) WCAG AA × Fail

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 92, 68.402, 135.157 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

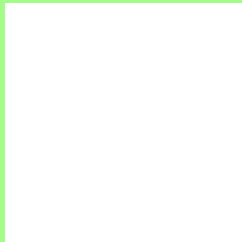
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 68.402, 135.157

Background



This preview shows how black text looks on a background with the CIELCh color 92, 68.402, 135.157.

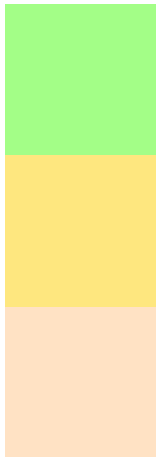


This preview shows how white text looks on a background with the CIELCh color 92, 68.402, 135.157.

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, 68.439, 135.146

Protanopia

92, 53.298, 95.606

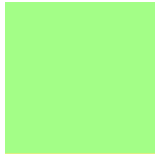
Deuteranopia

92, 19.114, 73.405

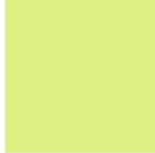


Tritanopia
92, 16.592, 228.703

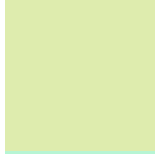
Trichromacy



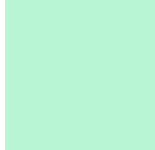
Original Color
92, 68.439, 135.146



Protanomaly
91, 54.961, 113.361



Deuteranomaly
91, 32.156, 117.254

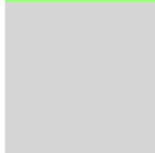


Tritanomaly
92, 27.732, 159.699

Monochromacy



Original Color
92, 68.439, 135.146



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 25.983, 136.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 68.402, 135.157 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(163, 254, 135)` looks like.

```
.text, #text, p{  
    color:rgb(163, 254, 135)  
}
```

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(163, 254, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 254, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 68.402, 135.157 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(163, 254, 135) }
```

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

```
.border{ border-color:rgb(163, 254, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 254, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 254, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 254, 135);  
box-shadow:4px 4px 4px 4px rgb(163, 254,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 68.402, 135.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 254, 135) }
```

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

```
.background{ background-color: rgb(163,  
254, 135) }
```

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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