

Converting Colors

CIELCh(99, 79.437, 137.299)

Have a look what the booklet for
CIELCh(99, 79.437, 137.299)
contains.

CIELCh(92, 66.466, 137.072)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(92, 66.466, 137.072)

Conversions

Conversions Part 1

Format	Color
Hex	A1FF8E
RGB	161, 255, 142
RGB Percent	63%, 100%, 56%
CMY	0.3704, 0.0017, 0.4448
CMYK	0.37, 0.00, 0.44, 0.00
HSL	110°, 99%, 78%
HSV	110°, 44%, 100%
XYZ	55.0768, 80.7044, 38.1028
YIQ	214.0120, -19.7510, -55.0710

Conversions

Conversions Part 2

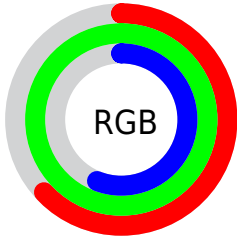
Format	Color
RYB	142, 255, 236
Decimal	10616718
CIELab	92.00, -48.67, 45.27
CIELCh	92, 66.466, 137.072
Yxy	80.7044, 0.3167, 0.4641
Android (android.graphics.Color)	4288806798 (0xFFA1FF8E)
YUV	214.0120, -35.5019, -46.4915
Hunter-Lab	89.8356, -47.7769, 37.7377

Details

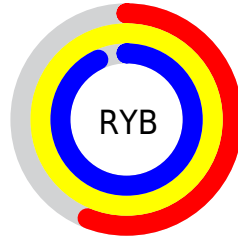
The CIELCh color **92, 66.466, 137.072** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72, 67.417, 321.733**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 32.326, 132.146**, and **72, 66.853, 137.035** is the 20% darker color. If you saturate the color by 10%, you get **91, 80.259, 136.330**, and if you desaturate by 10%, it is **93, 51.882, 137.794**.

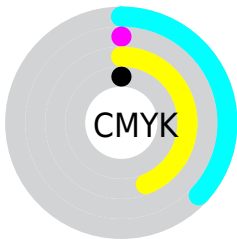
Distribution



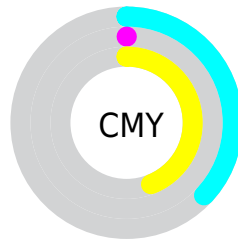
- Red (63%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 66.466, 137.072 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, 66.466, 137.072 by changing the saturation by 10% instead.


 92, 66.466,
137.072


 92, 66.466,
137.072


 100, 66.466,
137.072


 82, 66.466,
137.072

 72, 66.466,
137.072

 62, 66.466,
137.072

 52, 66.466,
137.072

 42, 66.466,
137.072

 32, 66.466,
137.072

 22, 66.466,

137.072

■ 12, 66.466,
137.072

■ 2, 66.466, 137.072

■ 92, 66.466,
137.072

■ 92, 66.466,
137.072

■ 91, 80.259,
136.330

■ 93, 51.882,
137.794

■ 90, 92.772,
135.634

■ 95, 36.868,
138.459

■ 89, 103.400,
135.091

■ 97, 21.696,
139.054

■ 88, 111.478,
134.837

■ 99, 6.564, 139.598

100, 0.287,

■ 88, 116.534,
134.974

323.371

■ 88, 118.233,
135.159

Harmonies

Complementary

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



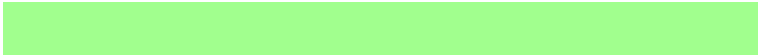
92, 66.466, 137.072



72, 67.417, 321.733

Rectangle

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



92, 66.466, 137.072



92, 66.466, 187.072



92, 66.466, 317.072



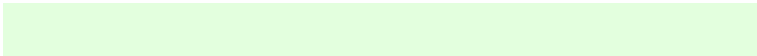
92, 66.466, 7.072

Sweetspot

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



92, 66.467, 137.073



97, 19.632, 139.131



93, 47.479, 96.151



52, 13.751, 139.007



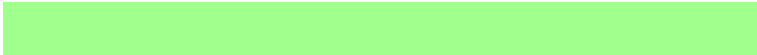
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

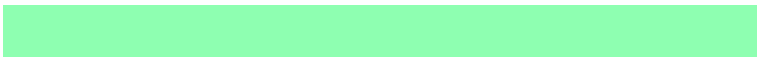
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 66.467, 137.073



91, 78.533, 136.431



92, 55.640, 150.853



52, 8.570, 139.321



68, 95.183, 135.023



23, 42.506, 134.454

Inverse Universe

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



72, 67.417, 321.733



68, 79.671, 322.031



73, 56.326, 338.483



50, 8.612, 320.178



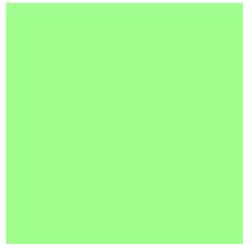
40, 94.441, 321.831



10, 43.336, 322.566

Previews

White Background



This preview shows how the CIE LCh color 92, 66.466, 137.072 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, 66.466, 137.072 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

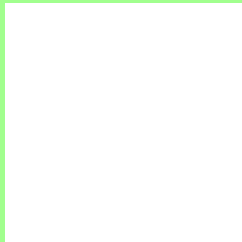
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 66.466, 137.072

Background



This preview shows how black text looks on a background with the CIELCh color 92, 66.466, 137.072.

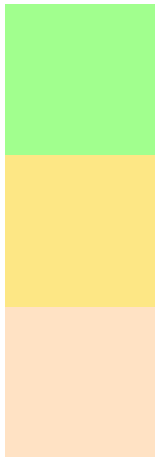


This preview shows how white text looks on a background with the CIELCh color 92, 66.466, 137.072.

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, 66.466, 137.072

Protanopia
92, 50.403, 95.779

Deuteranopia
92, 19.114, 73.405

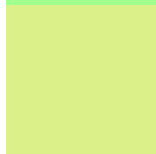


Tritanopia
92, 17.119, 227.660

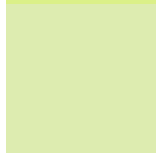
Trichromacy



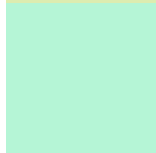
Original Color
92, 66.466, 137.072



Protanomaly
91, 52.801, 115.128



Deuteranomaly
91, 31.238, 118.301

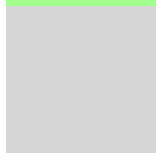


Tritanomaly
92, 27.570, 162.087

Monochromacy



Original Color
92, 66.466, 137.072



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 24.803, 138.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 66.466, 137.072 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(161, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 142)  
}
```

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(161, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 66.466, 137.072 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(161, 255, 142) }
```

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

```
.border{ border-color:rgb(161, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 66.466, 137.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 142) }
```

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

```
.background{ background-color: rgb(161,  
255, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor