

Converting Colors

CIELCh(96, 92.195, 136.536)

Have a look what the booklet for
CIELCh(96, 92.195, 136.536)
contains.

CIELCh(91, 82.938, 136.527)	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(91, 82.938, 136.527)

Conversions

Conversions Part 1

Format	Color
Hex	87FF71
RGB	135, 255, 113
RGB Percent	53%, 100%, 44%
CMY	0.4706, 0.0000, 0.5572
CMYK	0.47, 0.00, 0.56, 0.00
HSL	111°, 100%, 72%
HSV	111°, 56%, 100%
XYZ	49.0369, 78.4833, 28.1570
YIQ	202.9320, -25.9380, -69.6020

Conversions

Conversions Part 2

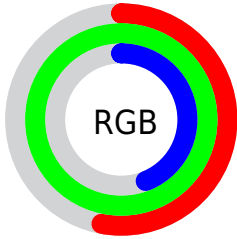
Format	Color
RYB	113, 255, 233
Decimal	8912753
CIELab	91.00, -60.19, 57.06
CIELCh	91, 82.938, 136.527
Yxy	78.4833, 0.3150, 0.5041
Android (android.graphics.Color)	4287102833 (0xFF87FF71)
YUV	202.9320, -44.3365, -59.5764
Hunter-Lab	88.5908, -56.2304, 43.1693

Details

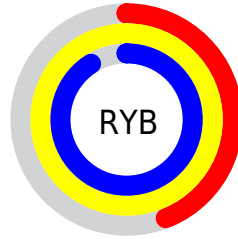
The CIELCh color **91, 82.938, 136.527** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **67, 83.435, 322.499**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 49.355, 133.739**, and **71, 82.378, 136.439** is the 20% darker color. If you saturate the color by 10%, you get **90, 94.764, 135.804**, and if you desaturate by 10%, it is **92, 68.735, 137.282**.

Distribution



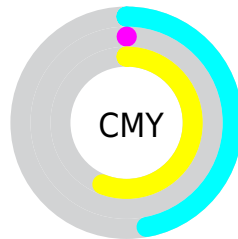
- Red (53%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (47%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 82.938, 136.527 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, 82.938, 136.527 by changing the saturation by 10% instead.

■ 91, 82.938,
136.527

■ 91, 82.938,
136.527

■ 100, 82.938,
136.527

■ 81, 82.938,
136.527

■ 71, 82.938,
136.527

■ 61, 82.938,
136.527

■ 51, 82.938,
136.527

■ 41, 82.938,
136.527

■ 31, 82.938,
136.527

■ 21, 82.938,

136.527

■ 11, 82.938,
136.527

■ 1, 82.938, 136.527

■ 91, 82.938,
136.527

■ 91, 82.938,
136.527

■ 90, 94.764,
135.804

■ 92, 68.735,
137.282

■ 89, 105.090,
135.257

■ 93, 54.165,
138.028

■ 88, 112.755,
135.010

■ 95, 39.114,
138.715

■ 88, 117.343,
135.155

■ 97, 23.868,
139.331

■ 88, 118.566,
135.270

■ 99, 8.639, 139.884
100, 0.012,
296.813

Harmonies

Complementary

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



91, 82.938, 136.527



67, 83.435, 322.499

Rectangle

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



91, 82.938, 136.527



91, 82.938, 186.527



91, 82.938, 316.527



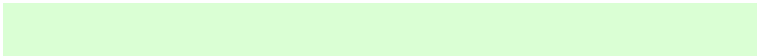
91, 82.938, 6.527

Sweetspot

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



91, 82.437, 136.517



97, 25.815, 139.257



92, 59.918, 95.833



51, 17.277, 139.137



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, 82.437, 136.517



90, 96.207, 135.723



91, 67.804, 149.963



52, 8.603, 139.679



68, 95.334, 135.141



23, 42.599, 134.629

Inverse Universe

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



67, 83.435, 322.499



62, 97.019, 322.740



68, 68.355, 340.461



50, 8.643, 320.547



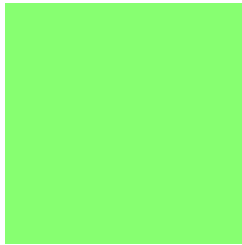
40, 94.289, 322.284



10, 43.280, 322.970

Previews

White Background



This preview shows how the CIE LCh color 91, 82.938, 136.527 looks on a white background.

Color Contrast Check

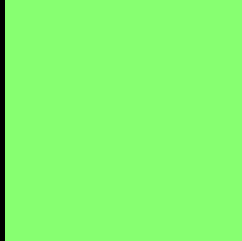
Large Text (above 18pt) WCAG AA × Fail

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, 82.938, 136.527 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

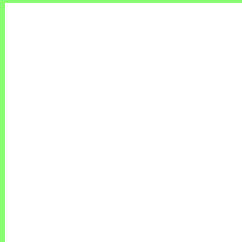
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 82.938, 136.527

Background



This preview shows how black text looks on a background with the CIELCh color 91, 82.938, 136.527.

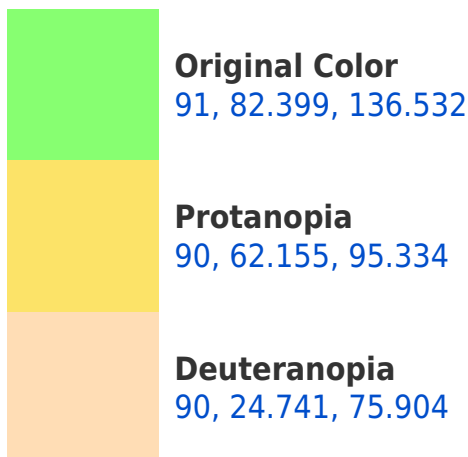


This preview shows how white text looks on a background with the CIELCh color 91, 82.938, 136.527.

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



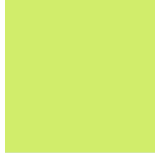


Tritanopia
90, 22.002, 222.045

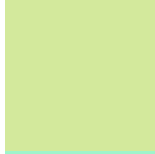
Trichromacy



Original Color
91, 82.399, 136.532



Protanomaly
89, 65.039, 115.084

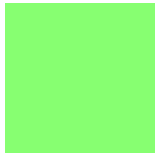


Deuteranomaly
89, 40.230, 119.292

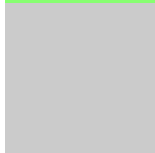


Tritanomaly
90, 36.291, 161.213

Monochromacy



Original Color
91, 82.399, 136.532



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 31.843, 138.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 82.938, 136.527 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(135, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 113)  
}
```

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(135, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 82.938, 136.527 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(135, 255, 113) }
```

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

```
.border{ border-color:rgb(135, 255, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 82.938, 136.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 113) }
```

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

```
.background{ background-color: rgb(135,  
255, 113) }
```

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