

Converting Colors

CIELCh(95, 92.693, 135.437)

Have a look what the booklet for
CIELCh(95, 92.693, 135.437)
contains.

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Color

CIELCh(91, 85.202, 135.112)

Conversions

Conversions Part 1

Format	Color
Hex	89FF6A
RGB	137, 255, 106
RGB Percent	54%, 100%, 42%
CMY	0.4629, 0.0000, 0.5847
CMYK	0.46, 0.00, 0.58, 0.00
HSL	107°, 100%, 71%
HSV	107°, 58%, 100%
XYZ	48.9721, 78.4833, 26.1726
YIQ	202.7320, -22.4990, -71.3550

Conversions

Conversions Part 2

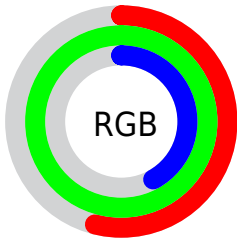
Format	Color
RYB	106, 255, 224
Decimal	9043818
CIELab	91.00, -60.36, 60.13
CIELCh	91, 85.202, 135.112
Yxy	78.4833, 0.3188, 0.5109
Android (android.graphics.Color)	4287233898 (0xFF89FF6A)
YUV	202.7320, -47.6889, -57.6470
Hunter-Lab	88.5908, -56.3608, 44.4974

Details

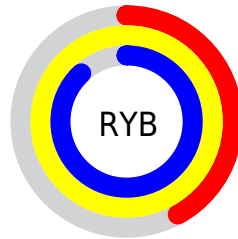
The CIELCh color **91, 85.202, 135.112** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **64, 86.537, 320.921**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 52.122, 131.309**, and **71, 84.520, 135.090** is the 20% darker color. If you saturate the color by 10%, you get **90, 96.517, 134.540**, and if you desaturate by 10%, it is **92, 71.467, 135.747**.

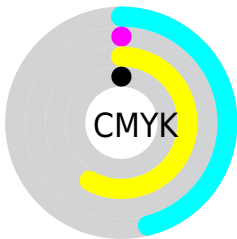
Distribution



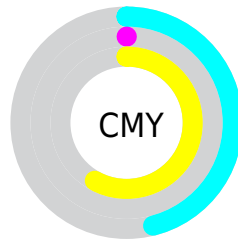
- Red (54%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (88%)



- Cyan (46%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (46%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 85.202, 135.112 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, 85.202, 135.112 by changing the saturation by 10% instead.

■ 91, 85.202,
135.112

■ 91, 85.202,
135.112

■ 100, 85.202,
135.112

■ 81, 85.202,
135.112

■ 71, 85.202,
135.112

■ 61, 85.202,
135.112

■ 51, 85.202,
135.112

■ 41, 85.202,
135.112

■ 31, 85.202,
135.112

■ 21, 85.202,

135.112

■ 11, 85.202,
135.112

■ 1, 85.202, 135.112

■ 91, 85.202,
135.112

■ 91, 85.202,
135.112

■ 90, 96.517,
134.540

■ 92, 71.467,
135.747

■ 89, 106.224,
134.215

■ 93, 57.285,
136.422

■ 89, 113.212,
134.248

■ 95, 42.567,
137.066

■ 88, 117.262,
134.673

■ 96, 27.604,
137.656

■ 88, 117.730,
134.737

■ 98, 12.608,
138.188

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, 85.202, 135.112



64, 86.537, 320.921

Rectangle

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



91, 85.202, 135.112



91, 85.202, 185.112



91, 85.202, 315.112



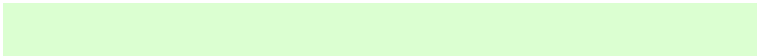
91, 85.202, 5.112

Sweetspot

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



91, 84.719, 135.091



96, 26.892, 137.683



89, 60.254, 92.150



51, 18.698, 137.518



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, 84.719, 135.091



90, 98.151, 134.472



90, 73.619, 147.670



52, 8.464, 138.135



68, 94.622, 134.574



23, 42.178, 133.828

Inverse Universe

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



64, 86.537, 320.921



59, 100.041, 321.094



67, 73.392, 338.281



50, 8.514, 318.961



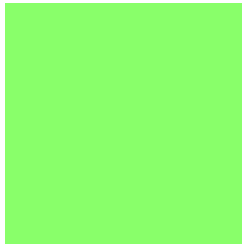
39, 94.982, 320.392



9, 43.538, 321.276

Previews

White Background



This preview shows how the CIE LCh color 91, 85.202, 135.112 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, 85.202, 135.112 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

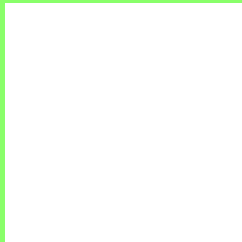
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 85.202, 135.112

Background



This preview shows how black text looks on a background with the CIELCh color 91, 85.202, 135.112.

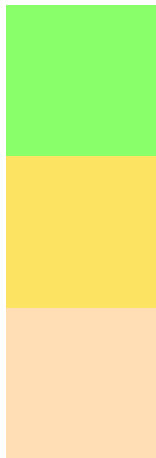


This preview shows how white text looks on a background with the CIELCh color 91, 85.202, 135.112.

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, 84.674, 135.103

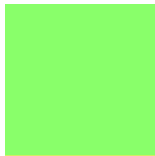
Protanopia
90, 65.151, 95.496

Deuteranopia
90, 24.741, 75.904

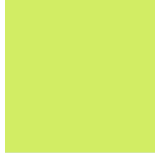


Tritanopia
90, 21.745, 222.358

Trichromacy



Original Color
91, 84.674, 135.103



Protanomaly
89, 67.909, 114.119



Deuteranomaly
89, 41.112, 118.424

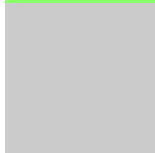


Tritanomaly
90, 36.502, 159.455

Monochromacy



Original Color
91, 84.674, 135.103



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 32.554, 137.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 85.202, 135.112 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(137, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 106)  
}
```

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(137, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 85.202, 135.112 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(137, 255, 106) }
```

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

```
.border{ border-color:rgb(137, 255, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 85.202, 135.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 106) }
```

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

```
.background{ background-color: rgb(137,  
255, 106) }
```

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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