

Converting Colors

CIELCh(100, 105.008, 136.014)

Have a look what the booklet for
CIELCh(100, 105.008, 136.014)
contains.

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Color

CIELCh(90, 88.940, 135.732)

Conversions

Conversions Part 1

Format	Color
Hex	7DFE62
RGB	125, 254, 98
RGB Percent	49%, 100%, 38%
CMY	0.5090, 0.0029, 0.6145
CMYK	0.51, 0.00, 0.61, 0.00
HSL	110°, 99%, 69%
HSV	110°, 61%, 100%
XYZ	46.2270, 76.3034, 23.9191
YIQ	197.6450, -26.8080, -75.8640

Conversions

Conversions Part 2

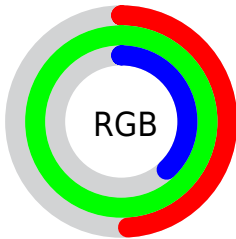
Format	Color
RYB	98, 254, 227
Decimal	8257122
CIELab	90.00, -63.69, 62.08
CIELCh	90, 88.940, 135.732
Yxy	76.3034, 0.3157, 0.5210
Android (android.graphics.Color)	4286447202 (0xFF7DFE62)
YUV	197.6450, -49.1250, -63.7097
Hunter-Lab	87.3518, -58.4025, 44.9112

Details

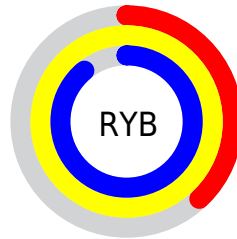
The CIELCh color **90, 88.940, 135.732** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64, 90.182, 322.103**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 57.008, 133.237**, and **70, 88.816, 135.780** is the 20% darker color. If you saturate the color by 10%, you get **89, 100.201, 135.142**, and if you desaturate by 10%, it is **91, 76.001, 136.442**.

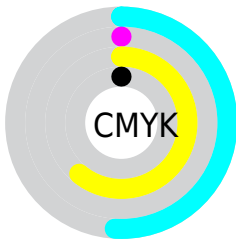
Distribution



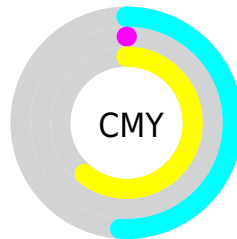
- Red (49%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 88.940, 135.732 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 90, 88.940, 135.732 by changing the saturation by 10% instead.


 90, 88.940,
135.732


 90, 88.940,
135.732


 100, 88.940,
135.732


 80, 88.940,
135.732

 70, 88.940,
135.732

 60, 88.940,
135.732


 50, 88.940,
135.732

 40, 88.940,
135.732


 30, 88.940,
135.732


 20, 88.940,

135.732


 10, 88.940,
135.732


 0, 88.940, 135.732


 90, 88.940,
135.732


 90, 88.940,
135.732


 89, 100.201,
135.142


 91, 76.001,
136.442


 88, 109.121,
134.801

 92, 61.951,
137.176

 88, 115.130,
134.830

 94, 47.236,
137.876

 88, 118.056,
135.115

 96, 32.185,
138.516

■ 97, 17.044,
139.088

■ 99, 1.991, 139.694

100, 0.475,
323.806

Harmonies

Complementary

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



90, 88.940, 135.732



64, 90.182, 322.103

Rectangle

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



90, 88.940, 135.732



90, 88.940, 185.732



90, 88.940, 315.732



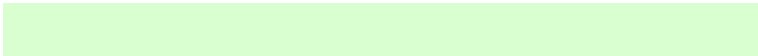
90, 88.940, 5.732

Sweetspot

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



90, 88.941, 135.733



96, 27.194, 138.714



90, 64.371, 94.068



51, 18.909, 138.542



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 88.941, 135.733



89, 103.071, 135.021



90, 74.558, 148.468



52, 8.558, 139.186



68, 95.124, 134.976



23, 42.470, 134.386

Inverse Universe

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



64, 90.182, 322.103



59, 103.964, 322.244



65, 74.416, 340.245



50, 8.600, 320.039



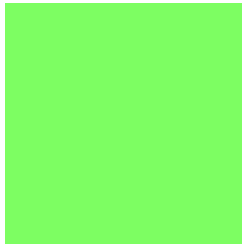
40, 94.499, 321.663



10, 43.358, 322.416

Previews

White Background



This preview shows how the CIE LCh color 90, 88.940, 135.732 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 90, 88.940, 135.732 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

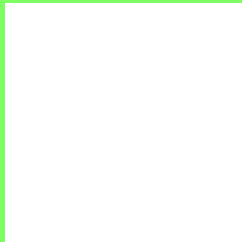
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 88.940, 135.732

Background



This preview shows how black text looks on a background with the CIELCh color 90, 88.940, 135.732.

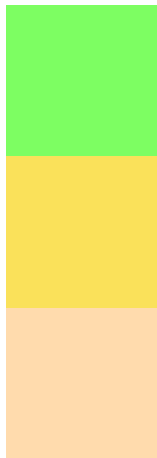


This preview shows how white text looks on a background with the CIELCh color 90, 88.940, 135.732.

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
90, 88.954, 135.717

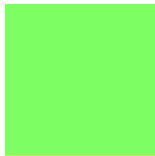
Protanopia
89, 67.255, 95.533

Deuteranopia
89, 27.931, 77.484



Tritanopia
90, 24.411, 220.802

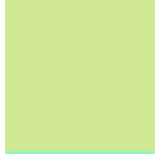
Trichromacy



Original Color
90, 88.954, 135.717



Protanomaly
89, 70.664, 114.900



Deuteranomaly
89, 44.772, 118.785

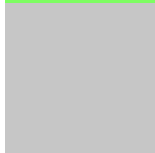


Tritanomaly
89, 39.850, 160.941

Monochromacy



Original Color
90, 88.954, 135.717



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 34.144, 138.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 88.940, 135.732 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(125, 254, 98)` looks like.

```
.text, #text, p{  
    color:rgb(125, 254, 98)  
}
```

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(125, 254, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 254, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 88.940, 135.732 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(125, 254, 98) }
```

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

```
.border{ border-color:rgb(125, 254, 98) }
```

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

Here you see how a box with a 4 pixel rgb(125, 254, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 254, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 254, 98);  
box-shadow:4px 4px 4px 4px rgb(125, 254,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 88.940, 135.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 254, 98) }
```

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

```
.background{ background-color: rgb(125,  
254, 98) }
```

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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