

Converting Colors

CIELCh(90, 68.142, 135.632)

Have a look what the booklet for
CIELCh(90, 68.142, 135.632)
contains.

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Color

CIELCh(90, 68.388, 135.513)

Conversions

Conversions Part 1	
Format	Color
Hex	9DF983
RGB	157, 249, 131
RGB Percent	62%, 98%, 51%
CMY	0.3856, 0.0249, 0.4875
CMYK	0.37, 0.00, 0.47, 0.02
HSL	107°, 90%, 74%
HSV	107°, 47%, 98%
XYZ	51.6837, 76.3034, 33.3647
YIQ	208.0400, -16.9540, -56.2020

Conversions

Conversions Part 2

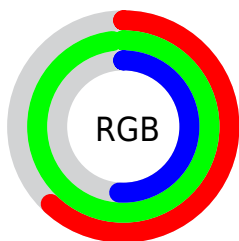
Format	Color
RYB	131, 249, 223
Decimal	10353027
CIELab	90.00, -48.79, 47.92
CIELCh	90, 68.388, 135.513
Yxy	76.3034, 0.3203, 0.4729
Android (android.graphics.Color)	4288543107 (0xFF9DF983)
YUV	208.0400, -37.9807, -44.7621
Hunter-Lab	87.3518, -47.2520, 38.5000

Details

The CIELCh color **90, 68.388, 135.513** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 69.910, 320.227**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 38.003, 130.569**, and **70, 68.637, 135.464** is the 20% darker color. If you saturate the color by 10%, you get **89, 81.464, 134.874**, and if you desaturate by 10%, it is **91, 54.464, 136.170**.

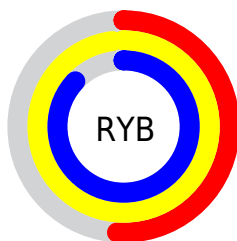
Distribution



Red (62%)

Green (98%)

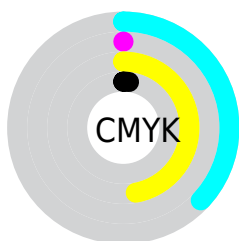
Blue (51%)



Red (51%)

Yellow (98%)

Blue (87%)

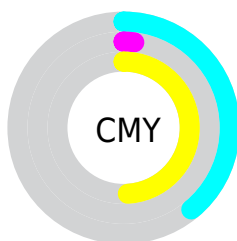


Cyan (37%)

Magenta (0%)

Yellow (47%)

Black (2%)



Cyan (39%)

Magenta (2%)


Yellow (49%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 90, 68.388, 135.513 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, 68.388, 135.513 by changing the saturation by 10% instead.


 90, 68.388,
135.513


 90, 68.388,
135.513


 100, 68.388,
135.513


 80, 68.388,
135.513


 70, 68.388,
135.513

 60, 68.388,
135.513


 50, 68.388,
135.513

 40, 68.388,
135.513


 30, 68.388,
135.513


 20, 68.388,


135.513


 10, 68.388,
135.513


 0, 68.388, 135.513


 90, 68.388,
135.513


 90, 68.388,
135.513


 89, 81.464,
134.874


 91, 54.464,
136.170


 88, 93.195,
134.332


 93, 40.057,
136.797

 87, 102.971,
134.006


 94, 25.439,
137.371

 87, 110.168,
134.030

 96, 10.806,
137.891

 86, 114.471,
134.463

 98, 3.693, 318.314

 86, 115.273,
134.583

 98, 3.946, 324.501

Harmonies

Complementary

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



90, 68.388, 135.513



68, 69.910, 320.227

Rectangle

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



90, 68.388, 135.513



90, 68.388, 185.513



90, 68.388, 315.513



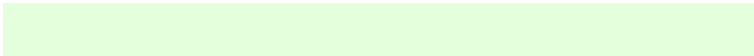
90, 68.388, 5.513

Sweetspot

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



90, 68.389, 135.514



97, 20.814, 137.554



89, 47.675, 92.438



51, 14.380, 137.439



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, 68.389, 135.514



91, 82.563, 134.896



89, 60.449, 148.601



51, 8.296, 137.787



67, 93.489, 134.416



22, 40.717, 133.801

Inverse Universe

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



68, 69.910, 320.227



65, 84.527, 320.520



70, 60.746, 336.489



49, 8.347, 318.603



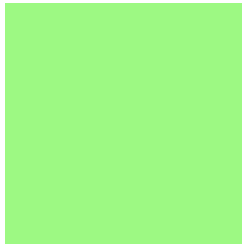
38, 94.203, 319.992



9, 42.445, 320.961

Previews

White Background



This preview shows how the CIE LCh color 90, 68.388, 135.513 looks on a white background.

Color Contrast Check

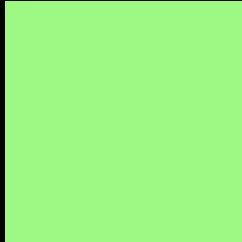
Large Text (above 18pt) WCAG AA × Fail

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, 68.388, 135.513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

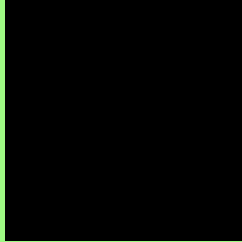
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

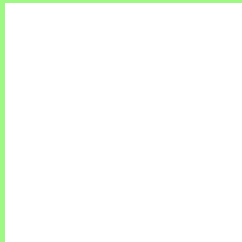
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 68.388, 135.513

Background



This preview shows how black text looks on a background with the CIELCh color 90, 68.388, 135.513.

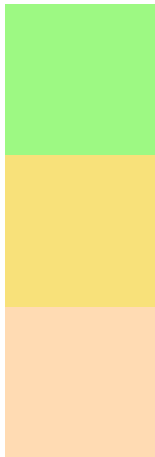


This preview shows how white text looks on a background with the CIELCh color 90, 68.388, 135.513.

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, 68.388, 135.513

Protanopia

89, 53.021, 95.423

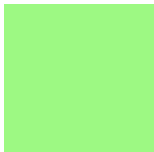
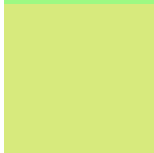


Deuteranopia

89, 25.243, 74.375

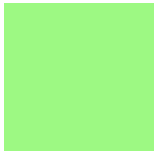
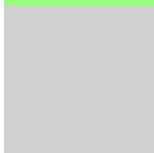



Tritanopia
90, 20.332, 227.652

Trichromacy

	Original Color 90, 68.388, 135.513
	Protanomaly 89, 55.165, 113.712
	Deuteranomaly 89, 35.600, 114.209
	Tritanomaly 90, 29.238, 164.045

Monochromacy

	Original Color 90, 68.388, 135.513
	Achromatopsia 83, 0.010, 296.813
	Achromatomaly 85, 25.840, 137.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 68.388, 135.513 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(157, 249, 131)` looks like.

```
.text, #text, p{  
    color:rgb(157, 249, 131)  
}
```

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(157, 249, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 249, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 68.388, 135.513 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(157, 249, 131) }
```

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

```
.border{ border-color:rgb(157, 249, 131) }
```

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

Here you see how a box with a 4 pixel rgb(157, 249, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 249, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 249, 131);  
box-shadow:4px 4px 4px 4px rgb(157, 249,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 68.388, 135.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 249, 131) }
```

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

```
.background{ background-color: rgb(157,  
249, 131) }
```

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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