

Converting Colors

CIELCh(90, 51.346, 141.620)

Have a look what the booklet for
CIELCh(90, 51.346, 141.620)
contains.

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Color

CIELCh(90, 51.420, 141.741)

Conversions

Conversions Part 1

Format	Color
Hex	A5F6A4
RGB	165, 246, 164
RGB Percent	65%, 96%, 64%
CMY	0.3544, 0.0368, 0.3583
CMYK	0.33, 0.00, 0.33, 0.04
HSL	119°, 81%, 80%
HSV	119°, 33%, 96%
XYZ	54.9462, 76.3034, 46.7840
YIQ	212.4330, -21.9540, -42.6740

Conversions

Conversions Part 2

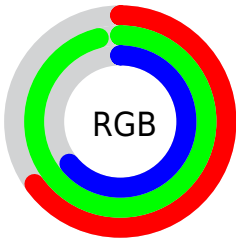
Format	Color
RYB	164, 246, 245
Decimal	10876580
CIELab	90.00, -40.38, 31.84
CIELCh	90, 51.420, 141.741
Yxy	76.3034, 0.3086, 0.4286
Android (android.graphics.Color)	4289066660 (0xFFA5F6A4)
YUV	212.4330, -23.8775, -41.5987
Hunter-Lab	87.3518, -40.5852, 29.3916

Details

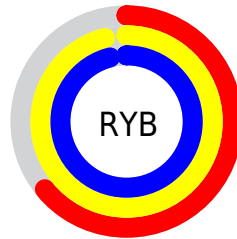
The CIELCh color **90, 51.420, 141.741** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **78, 51.423, 325.908**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 21.912, 141.412**, and **70, 51.474, 141.580** is the 20% darker color. If you saturate the color by 10%, you get **89, 66.217, 140.771**, and if you desaturate by 10%, it is **92, 36.108, 142.593**.

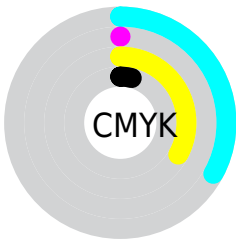
Distribution



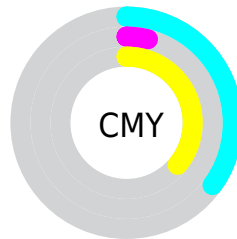
- Red (65%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)





- Cyan (35%)
- Magenta (4%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 51.420, 141.741 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, 51.420, 141.741 by changing the saturation by 10% instead.


 90, 51.420,
141.741


 90, 51.420,
141.741


 100, 51.420,
141.741


 80, 51.420,
141.741

 70, 51.420,
141.741

 60, 51.420,
141.741


 50, 51.420,
141.741

 40, 51.420,
141.741


 30, 51.420,
141.741


 20, 51.420,


141.741


 10, 51.420,
141.741


 0, 51.420, 141.741


 90, 51.420,
141.741


 90, 51.420,
141.741

 89, 66.217,
140.771


 92, 36.108,
142.593

 87, 80.074,
139.703

 94, 20.604,
143.330

 86, 92.470,
138.590

 96, 5.158, 143.994

 86, 102.792,
137.535

 98, 5.842, 324.592

■ 85, 110.409,
136.681

■ 85, 114.885,
136.163

■ 85, 116.369,
135.981

Harmonies

Complementary

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



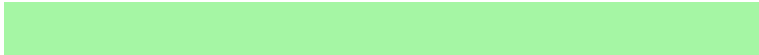
90, 51.420, 141.741



78, 51.423, 325.908

Rectangle

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



90, 51.420, 141.741



90, 51.420, 191.741



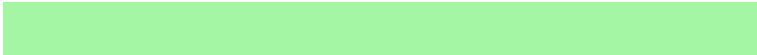
90, 51.420, 321.741



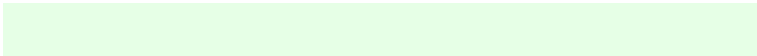
90, 51.420, 11.741

Sweetspot

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



90, 51.422, 141.741



98, 15.849, 143.554



95, 40.684, 106.211



52, 10.823, 143.461



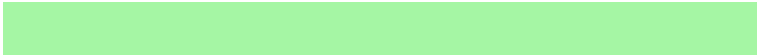
0, 0.000, 0.000



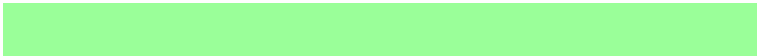
53, 0.007, 296.813

Same Dimension

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



90, 51.422, 141.741



92, 63.192, 141.104



91, 35.988, 159.599



50, 8.711, 143.589



66, 94.488, 135.967



20, 40.991, 137.218

Inverse Universe

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



78, 51.423, 325.908



77, 63.114, 326.242



76, 37.364, 345.907



48, 8.726, 324.618



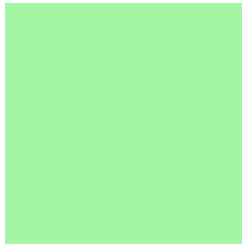
44, 91.273, 327.758



11, 40.578, 327.820

Previews

White Background



This preview shows how the CIE LCh color 90, 51.420, 141.741 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, 51.420, 141.741 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, 51.420, 141.741

Background



This preview shows how black text looks on a background with the CIELCh color 90, 51.420, 141.741.

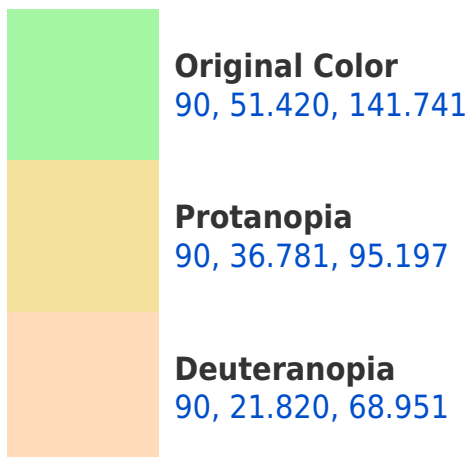


This preview shows how white text looks on a background with the CIELCh color 90, 51.420, 141.741.

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



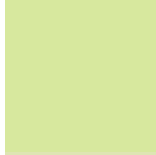


Tritanopia
90, 19.334, 229.397

Trichromacy



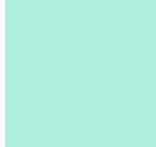
Original Color
90, 51.420, 141.741



Protanomaly
89, 38.390, 117.049



Deuteranomaly
89, 25.893, 114.003

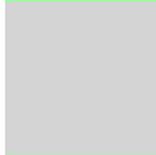


Tritanomaly
90, 23.320, 175.517

Monochromacy



Original Color
90, 51.420, 141.741



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 19.012, 142.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 51.420, 141.741 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(165, 246, 164)` looks like.

```
.text, #text, p{  
    color:rgb(165, 246, 164)  
}
```

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(165, 246, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 246, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 51.420, 141.741 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(165, 246, 164) }
```

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

```
.border{ border-color:rgb(165, 246, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 246, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 246, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 246, 164);  
box-shadow:4px 4px 4px 4px rgb(165, 246,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 51.420, 141.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 246, 164) }
```

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

```
.background{ background-color: rgb(165,  
246, 164) }
```

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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