

Converting Colors

CIELCh(90, 63.713, 133.578)

Have a look what the booklet for
CIELCh(90, 63.713, 133.578)
contains.

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Color

CIELCh(90, 63.713, 133.578)

Conversions

Conversions Part 1

Format	Color
Hex	A8F787
RGB	168, 247, 135
RGB Percent	66%, 97%, 53%
CMY	0.3427, 0.0329, 0.4720
CMYK	0.32, 0.00, 0.45, 0.03
HSL	102°, 87%, 75%
HSV	102°, 45%, 97%
XYZ	53.5556, 76.3034, 34.6934
YIQ	210.6110, -11.1320, -51.5800

Conversions

Conversions Part 2

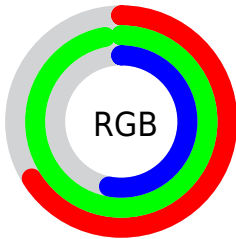
Format	Color
RYB	135, 247, 214
Decimal	11073415
CIELab	90.00, -43.92, 46.16
CIELCh	90, 63.713, 133.578
Yxy	76.3034, 0.3255, 0.4637
Android (android.graphics.Color)	4289263495 (0xFFA8F787)
YUV	210.6110, -37.2762, -37.3698
Hunter-Lab	87.3518, -43.4269, 37.5981

Details

The CIELCh color **90, 63.713, 133.578** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **68, 65.826, 317.837**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 34.620, 125.928**, and **70, 63.491, 133.680** is the 20% darker color. If you saturate the color by 10%, you get **89, 76.668, 133.039**, and if you desaturate by 10%, it is **91, 50.056, 134.149**.

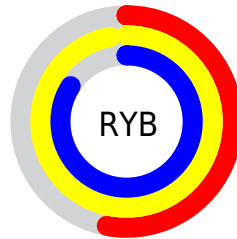
Distribution



Red (66%)

Green (97%)

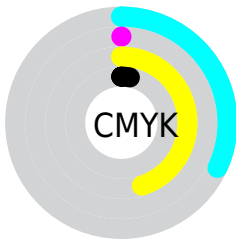
Blue (53%)



Red (53%)

Yellow (97%)

Blue (84%)

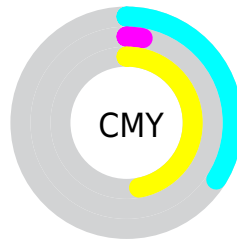


Cyan (32%)

Magenta (0%)

Yellow (45%)

Black (3%)



Cyan (34%)


Magenta (3%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 63.713, 133.578 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, 63.713, 133.578 by changing the saturation by 10% instead.


 90, 63.713,
133.578


 90, 63.713,
133.578


 100, 63.713,
133.578


 80, 63.713,
133.578

 70, 63.713,
133.578

 60, 63.713,
133.578

 50, 63.713,
133.578

 40, 63.713,
133.578

 30, 63.713,
133.578

 20, 63.713,

133.578

■ 10, 63.713,
133.578

■ 0, 63.713, 133.578

■ 90, 63.713,
133.578

■ 90, 63.713,
133.578

■ 89, 76.668,
133.039

■ 91, 50.056,
134.149

■ 88, 88.477,
132.607

■ 93, 36.011,
134.705

■ 87, 98.577,
132.395

■ 94, 21.810,
135.223

■ 87, 106.345,
132.537

■ 96, 7.615, 135.706

■ 98, 5.146, 323.303

■ 86, 111.362,
133.124

■ 98, 5.222, 324.564

■ 86, 112.944,
133.472

Harmonies

Complementary

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



90, 63.713, 133.578



68, 65.826, 317.837

Rectangle

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



90, 63.713, 133.578



90, 63.713, 183.578



90, 63.713, 313.578



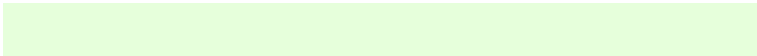
90, 63.713, 3.578

Sweetspot

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



90, 63.714, 133.579



97, 20.358, 135.291



87, 42.977, 87.774



52, 14.064, 135.184



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, 63.714, 133.579



92, 76.953, 133.106



89, 60.588, 146.563



50, 7.980, 135.511



67, 91.201, 133.256



21, 38.648, 132.550

Inverse Universe

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



68, 65.826, 317.837



65, 79.884, 318.131



71, 60.610, 333.559



48, 8.045, 316.291



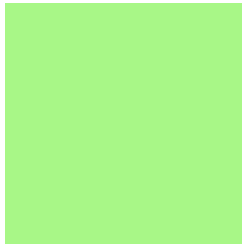
35, 94.436, 317.533



7, 41.559, 318.731

Previews

White Background



This preview shows how the CIELCh color 90, 63.713, 133.578 looks on a white background.

Color Contrast Check

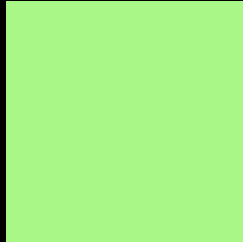
Large Text (above 18pt) WCAG AA × Fail

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, 63.713, 133.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

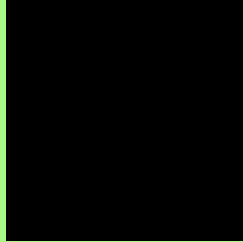
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

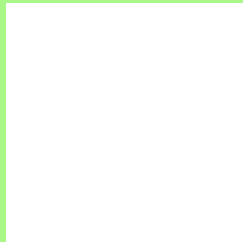
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 63.713, 133.578

Background



This preview shows how black text looks on a background with the CIELCh color 90, 63.713, 133.578.

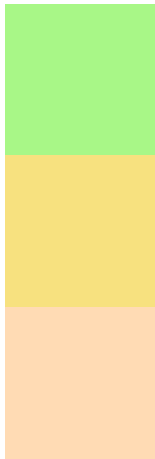


This preview shows how white text looks on a background with the CIELCh color 90, 63.713, 133.578.

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, 63.713, 133.578

Protanopia
89, 50.593, 95.645

Deuteranopia
89, 24.804, 73.785

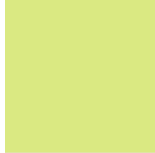


Tritanopia
90, 17.592, 232.971

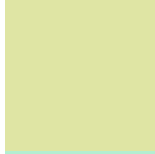
Trichromacy



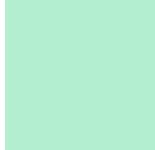
Original Color
90, 63.713, 133.578



Protanomaly
89, 52.185, 112.587



Deuteranomaly
89, 33.421, 111.449

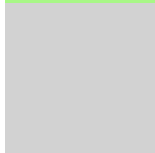


Tritanomaly
90, 25.456, 161.449

Monochromacy



Original Color
90, 63.713, 133.578



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 23.382, 134.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 63.713, 133.578 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(168, 247, 135)` looks like.

```
.text, #text, p{  
    color:rgb(168, 247, 135)  
}
```

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(168, 247, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 247, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 63.713, 133.578 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(168, 247, 135) }
```

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

```
.border{ border-color:rgb(168, 247, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 247, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 247, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 247, 135);  
box-shadow:4px 4px 4px 4px rgb(168, 247,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 63.713, 133.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 247, 135) }
```

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

```
.background{ background-color: rgb(168,  
247, 135) }
```

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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