

Converting Colors

CIELCh(90, 46.685, 150.326)

Have a look what the booklet for
CIELCh(90, 46.685, 150.326)
contains.

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Color

CIELCh(90, 46.553, 150.548)

Conversions

Conversions Part 1

Format	Color
Hex	9BF6B5
RGB	155, 246, 181
RGB Percent	61%, 96%, 71%
CMY	0.3917, 0.0348, 0.2898
CMYK	0.37, 0.00, 0.26, 0.03
HSL	137°, 84%, 79%
HSV	137°, 37%, 97%
XYZ	54.8826, 76.3034, 55.6110
YIQ	211.3810, -33.3710, -39.5070

Conversions

Conversions Part 2

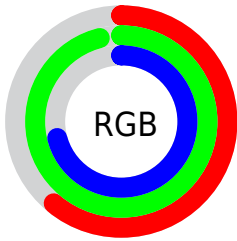
Format	Color
RYB	155, 226, 246
Decimal	10221237
CIELab	90.00, -40.54, 22.89
CIELCh	90, 46.553, 150.548
Yxy	76.3034, 0.2938, 0.4085
Android (android.graphics.Color)	4288411317 (0xFF9BF6B5)
YUV	211.3810, -14.9778, -49.4461
Hunter-Lab	87.3518, -40.7152, 23.4003

Details

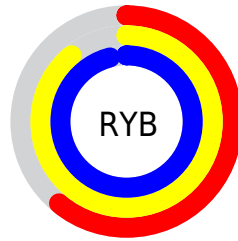
The CIELCh color **90, 46.553, 150.548** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **75, 47.017, 336.430**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.600, 166.755**, and **70, 46.323, 150.536** is the 20% darker color. If you saturate the color by 10%, you get **89, 58.530, 149.358**, and if you desaturate by 10%, it is **92, 34.128, 151.580**.

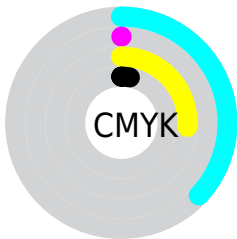
Distribution



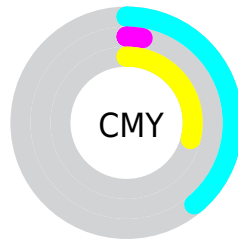
- Red (61%)
- Green (96%)
- Blue (71%)



- Red (61%)
- Yellow (89%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (26%)
- Black (3%)



- Cyan (39%)
- Magenta (3%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 46.553, 150.548 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, 46.553, 150.548 by changing the saturation by 10% instead.

 90, 46.553,
150.548


 90, 46.553,
150.548

 100, 46.553,
150.548


 80, 46.553,
150.548

 70, 46.553,
150.548

 60, 46.553,
150.548


 50, 46.553,
150.548

 40, 46.553,
150.548

 30, 46.553,
150.548


 20, 46.553,


150.548


 10, 46.553,
150.548


 0, 46.553, 150.548


 90, 46.553,
150.548


 90, 46.553,
150.548

 89, 58.530,
149.358


 92, 34.128,
151.580

 88, 69.807,
147.992

 93, 21.476,
152.477

 87, 80.135,
146.439

 95, 8.786, 153.277

 86, 89.289,
144.707

 98, 3.793, 333.806

 98, 5.528, 324.578

■ 86, 97.095,
142.833

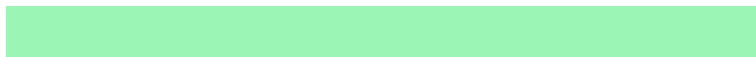
■ 85, 103.461,
140.900

■ 85, 105.149,
140.354

Harmonies

Complementary

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



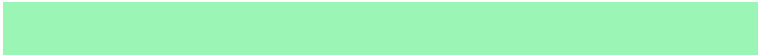
90, 46.553, 150.548



75, 47.017, 336.430

Rectangle

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



90, 46.553, 150.548



90, 46.553, 200.548



90, 46.553, 330.548



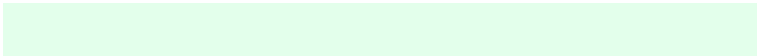
90, 46.553, 20.548

Sweetspot

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



90, 46.555, 150.548



98, 14.290, 152.961



93, 46.886, 118.959



52, 9.608, 152.853



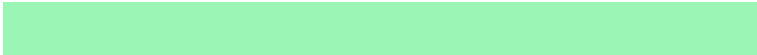
0, 0.000, 0.000



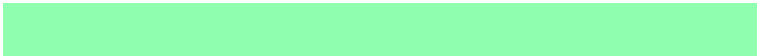
53, 0.007, 296.813

Same Dimension

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



90, 46.555, 150.548



92, 56.625, 149.720



91, 31.543, 178.372



50, 7.137, 153.081



66, 84.565, 140.708



21, 34.992, 143.868

Inverse Universe

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



75, 47.017, 336.430



74, 57.110, 337.035



74, 36.650, 6.485



48, 7.171, 334.325



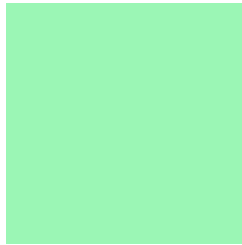
41, 73.539, 343.852



10, 33.547, 341.228

Previews

White Background



This preview shows how the CIELCh color 90, 46.553, 150.548 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, 46.553, 150.548 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, 46.553, 150.548

Background



This preview shows how black text looks on a background with the CIELCh color 90, 46.553, 150.548.

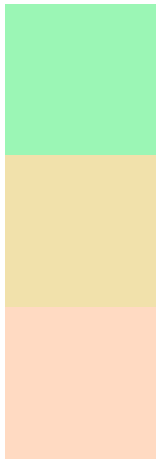


This preview shows how white text looks on a background with the CIELCh color 90, 46.553, 150.548.

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, 46.553, 150.548

Protanopia
90, 28.562, 95.130

Deuteranopia
90, 19.003, 60.694

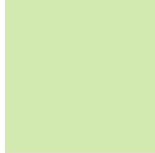


Tritanopia
90, 22.080, 225.029

Trichromacy



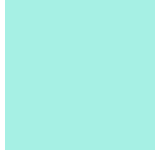
Original Color
90, 46.553, 150.548



Protanomaly
89, 31.087, 124.110



Deuteranomaly
89, 20.448, 118.067

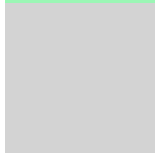


Tritanomaly
90, 25.366, 183.431

Monochromacy



Original Color
90, 46.553, 150.548



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 17.421, 152.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 46.553, 150.548 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(155, 246, 181)` looks like.

```
.text, #text, p{  
    color:rgb(155, 246, 181)  
}
```

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(155, 246, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 246, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 46.553, 150.548 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(155, 246, 181) }
```

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

```
.border{ border-color:rgb(155, 246, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 246, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 246, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 246, 181);  
box-shadow:4px 4px 4px 4px rgb(155, 246,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 46.553, 150.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 246, 181) }
```

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

```
.background{ background-color: rgb(155,  
246, 181) }
```

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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