

Converting Colors

CIELCh(90, 37.773, 153.556)

Have a look what the booklet for
CIELCh(90, 37.773, 153.556)
contains.

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Color

CIELCh(90, 37.673, 153.692)

Conversions

Conversions Part 1

Format	Color
Hex	A6F3C1
RGB	166, 243, 193
RGB Percent	65%, 95%, 76%
CMY	0.3478, 0.0458, 0.2419
CMYK	0.32, 0.00, 0.21, 0.05
HSL	141°, 77%, 80%
HSV	141°, 32%, 95%
XYZ	57.6018, 76.3034, 62.3278
YIQ	214.2770, -29.8420, -31.8740

Conversions

Conversions Part 2

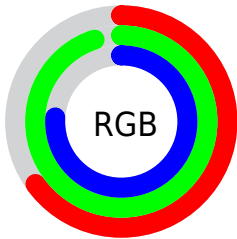
Format	Color
RYB	166, 223, 243
Decimal	10941377
CIELab	90.00, -33.77, 16.70
CIELCh	90, 37.673, 153.692
Yxy	76.3034, 0.2935, 0.3888
Android (android.graphics.Color)	4289131457 (0xFFA6F3C1)
YUV	214.2770, -10.4896, -42.3389
Hunter-Lab	87.3518, -35.1586, 18.8413

Details

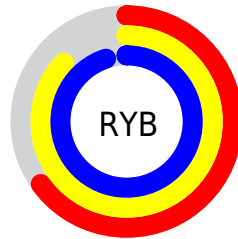
The CIELCh color $90, 37.673, 153.692$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $77, 38.282, 338.885$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 11.268, 185.617$, and $70, 37.661, 153.749$ is the 20% darker color. If you saturate the color by 10%, you get $89, 49.173, 152.556$, and if you desaturate by 10%, it is $92, 25.850, 154.683$.

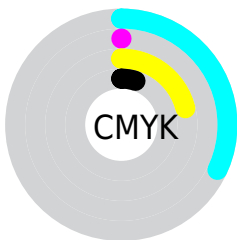
Distribution



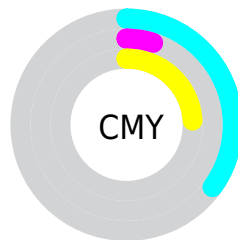
- Red (65%)
- Green (95%)
- Blue (76%)



- Red (65%)
- Yellow (87%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)





- Cyan (35%)
- Magenta (5%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 37.673, 153.692 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, 37.673, 153.692 by changing the saturation by 10% instead.


 90, 37.673,
153.692


 90, 37.673,
153.692


 100, 37.673,
153.692


 80, 37.673,
153.692

 70, 37.673,
153.692

 60, 37.673,
153.692

 50, 37.673,
153.692

 40, 37.673,
153.692

 30, 37.673,
153.692

 20, 37.673,

153.692

■ 10, 37.673,
153.692

■ 0, 37.673, 153.692

■ 90, 37.673,
153.692

■ 90, 37.673,
153.692

■ 89, 49.173,
152.556

■ 92, 25.850,
154.683

■ 87, 60.131,
151.253

■ 94, 13.889,
155.559

■ 86, 70.324,
149.761

■ 96, 1.950, 156.498

■ 86, 79.547,
148.069

■ 97, 7.268, 324.652

■ 85, 87.645,
146.184

■ 85, 94.534,
144.143

■ 84, 99.425,
142.414

Harmonies

Complementary

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



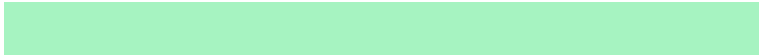
90, 37.673, 153.692



77, 38.282, 338.885

Rectangle

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



90, 37.673, 153.692



90, 37.673, 203.692



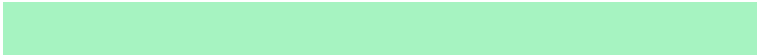
90, 37.673, 333.692



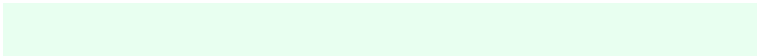
90, 37.673, 23.692

Sweetspot

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



90, 37.675, 153.691



98, 11.132, 155.776



92, 40.423, 121.945



52, 7.741, 155.656



0, 0.000, 0.000



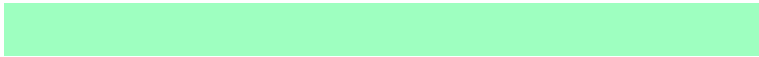
53, 0.007, 296.813

Same Dimension

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



90, 37.675, 153.691



93, 46.765, 152.978



91, 26.095, 184.367



50, 6.802, 155.738



66, 80.629, 142.790



21, 33.282, 146.157

Inverse Universe

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



77, 38.282, 338.885



77, 47.586, 339.479



76, 30.467, 10.673



48, 6.847, 337.055



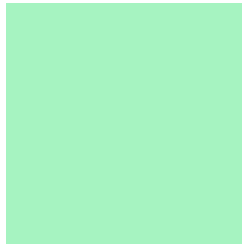
41, 70.701, 348.794



9, 32.308, 345.209

Previews

White Background



This preview shows how the CIE LCh color 90, 37.673, 153.692 looks on a white background.

Color Contrast Check

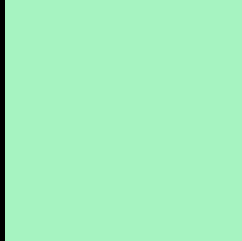
Large Text (above 18pt) WCAG AA × Fail

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, 37.673, 153.692 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, 37.673, 153.692

Background



This preview shows how black text looks on a background with the CIELCh color 90, 37.673, 153.692.

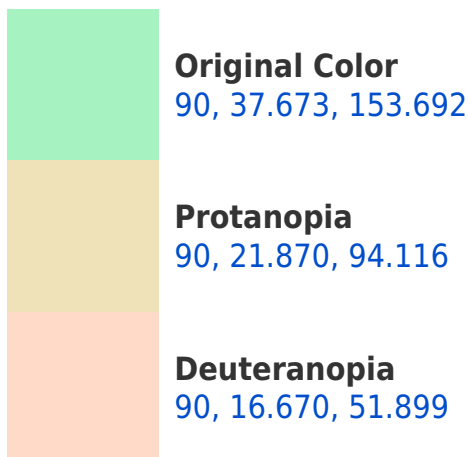


This preview shows how white text looks on a background with the CIELCh color 90, 37.673, 153.692.

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



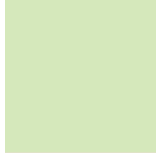


Tritanopia
90, 20.080, 228.067

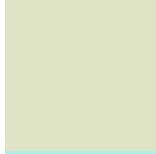
Trichromacy



Original Color
90, 37.673, 153.692



Protanomaly
90, 24.302, 125.359

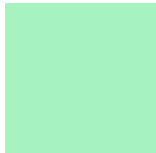


Deuteranomaly
89, 15.086, 114.617

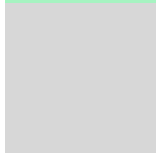


Tritanomaly
90, 21.525, 189.616

Monochromacy



Original Color
90, 37.673, 153.692



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 13.858, 155.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 37.673, 153.692 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(166, 243, 193)` looks like.

```
.text, #text, p{  
    color:rgb(166, 243, 193)  
}
```

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(166, 243, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 243, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 37.673, 153.692 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(166, 243, 193) }
```

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

```
.border{ border-color:rgb(166, 243, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 243, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 243, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 243, 193);  
box-shadow:4px 4px 4px 4px rgb(166, 243,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 37.673, 153.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 243, 193) }
```

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

```
.background{ background-color: rgb(166,  
243, 193) }
```

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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