

Converting Colors

CIELCh(75, 12.901, 153.707)

Have a look what the booklet for
CIELCh(75, 12.901, 153.707)
contains.

CIELCh(75, 13.120, 154.179)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 13.120, 154.179)

Conversions

Conversions Part 1

Format	Color
Hex	A6BFAE
RGB	166, 191, 174
RGB Percent	65%, 75%, 68%
CMY	0.3500, 0.2520, 0.3186
CMYK	0.13, 0.00, 0.09, 0.25
HSL	139°, 16%, 70%
HSV	139°, 13%, 75%
XYZ	41.8656, 48.2781, 47.0295
YIQ	181.5870, -9.4430, -10.5870

Conversions

Conversions Part 2

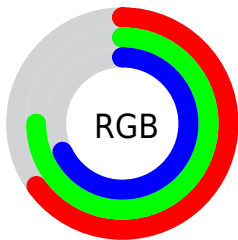
Format	Color
RYB	166, 185, 191
Decimal	10928046
CIELab	75.00, -11.81, 5.71
CIELCh	75, 13.120, 154.179
Yxy	48.2781, 0.3052, 0.3520
Android (android.graphics.Color)	4289118126 (0xFFA6BFAE)
YUV	181.5870, -3.7404, -13.6698
Hunter-Lab	69.4824, -14.0419, 8.5070

Details

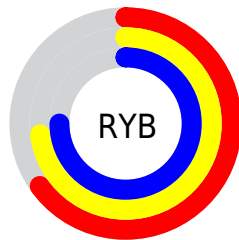
The CIELCh color **75, 13.120, 154.179** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 13.211, 335.996**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 13.108, 153.872**, and **55, 13.252, 154.407** is the 20% darker color. If you saturate the color by 10%, you get **73, 23.168, 153.321**, and if you desaturate by 10%, it is **77, 3.088, 155.001**.

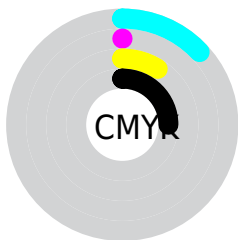
Distribution



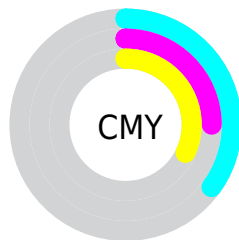
- Red (65%)
- Green (75%)
- Blue (68%)



- Red (65%)
- Yellow (73%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (35%)
- Magenta (25%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 13.120, 154.179 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 75, 13.120, 154.179 by changing the saturation by 10% instead.


 75, 13.120,
154.179


 75, 13.120,
154.179


 100, 13.120,
154.179


 65, 13.120,
154.179


 95, 13.120,
154.179

 55, 13.120,
154.179

 45, 13.120,
154.179

 35, 13.120,
154.179

 25, 13.120,
154.179

 15, 13.120,
154.179

 5, 13.120, 154.179

0, 13.120, 154.179

75, 13.120,
154.179

75, 13.120,
154.179

73, 23.168,
153.321

77, 3.088, 155.001

72, 33.095,
152.347

79, 6.830, 335.498

71, 42.744,
151.231

81, 16.558,
336.107

70, 51.935,
149.949

83, 26.045,
336.634

69, 60.481,
148.485

84, 33.812,
334.250

69, 68.209,
146.833

85, 38.867,
327.324

85, 40.287,

■ 68, 74.979,
145.006

325.822

■ 68, 80.708,
143.046

■ 68, 84.125,
141.723

Harmonies

Complementary

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



75, 13.120, 154.179



71, 13.211, 335.996

Rectangle

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



75, 13.120, 154.179



75, 13.120, 204.179



75, 13.120, 334.179



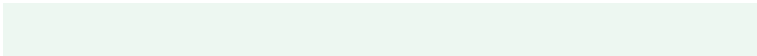
75, 13.120, 24.179

Sweetspot

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



75, 13.122, 154.178



96, 4.919, 154.908



76, 13.735, 121.706



52, 3.527, 154.842



99, 0.012, 296.813



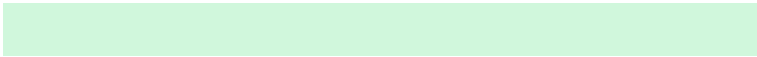
52, 0.007, 296.813

Same Dimension

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



75, 13.122, 154.178



94, 19.802, 153.918



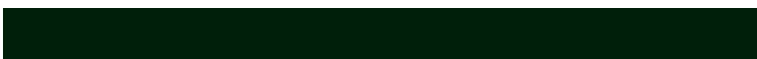
75, 9.400, 183.434



39, 5.616, 154.478



57, 72.695, 142.033



9, 18.494, 151.248

Inverse Universe

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



71, 13.211, 335.996



87, 19.959, 336.232



70, 9.923, 5.722



37, 5.647, 335.715



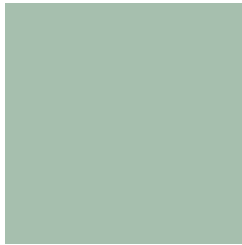
35, 63.928, 346.099



3, 15.813, 340.957

Previews

White Background



This preview shows how the CIE LCh color 75, 13.120, 154.179 looks on a white background.

Color Contrast Check

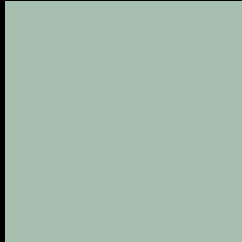
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 75, 13.120, 154.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

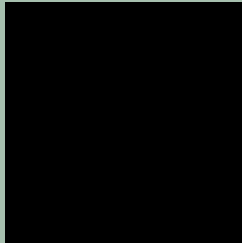
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

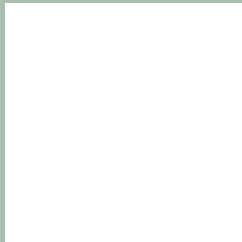
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 13.120, 154.179

Background



This preview shows how black text looks on a background with the CIELCh color 75, 13.120, 154.179.



This preview shows how white text looks on a background with the CIELCh color 75, 13.120, 154.179.

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
75, 13.120, 154.179

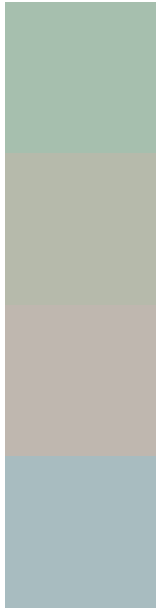
Protanopia
75, 7.982, 89.740

Deuteranopia
75, 10.439, 26.106



Tritanopia
75, 9.917, 254.106

Trichromacy



Original Color
75, 13.120, 154.179

Protanomaly
75, 8.219, 120.068

Deuteranomaly
75, 5.257, 74.342

Tritanomaly
75, 7.411, 215.936

Monochromacy



Original Color
75, 13.120, 154.179

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 5.335, 153.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 13.120, 154.179 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, 191, 174)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 174)  
}
```

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, 191, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 13.120, 154.179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

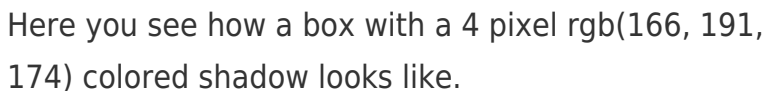
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 191, 174) }
```

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

```
.border{ border-color:rgb(166, 191, 174) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 191, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 191, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 191, 174); box-shadow:4px 4px 4px 4px rgb(166, 191, 174) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 13.120, 154.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 174) }
```

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

```
.background{ background-color: rgb(166,  
191, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor