

Converting Colors

CIELCh(84, 29.599, 152.202)

Have a look what the booklet for
CIELCh(84, 29.599, 152.202)
contains.

CIELCh(84, 29.575, 152.212)	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(84, 29.575, 152.212)

Conversions

Conversions Part 1

Format	Color
Hex	A6DFB7
RGB	166, 223, 183
RGB Percent	65%, 87%, 72%
CMY	0.3503, 0.1268, 0.2837
CMYK	0.26, 0.00, 0.18, 0.13
HSL	138°, 47%, 76%
HSV	138°, 26%, 87%
XYZ	50.4633, 64.0658, 54.3241
YIQ	201.3970, -21.1320, -24.5240

Conversions

Conversions Part 2

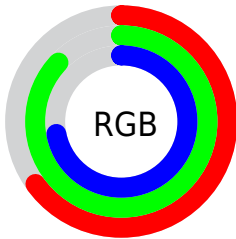
Format	Color
RYB	166, 210, 223
Decimal	10936247
CIELab	84.00, -26.16, 13.79
CIElCh	84, 29.575, 152.212
Yxy	64.0658, 0.2989, 0.3794
Android (android.graphics.Color)	4289126327 (0xFFA6DFB7)
YUV	201.3970, -9.0697, -31.0432
Hunter-Lab	80.0411, -27.5335, 15.7885

Details

The CIELCh color $84, 29.575, 152.212$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $74, 29.863, 336.041$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 14.186, 163.384$, and $64, 29.772, 151.987$ is the 20% darker color. If you saturate the color by 10%, you get $83, 40.963, 151.201$, and if you desaturate by 10%, it is $86, 18.011, 153.093$.

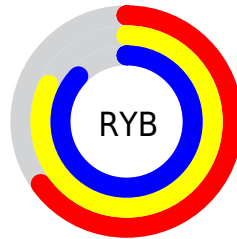
Distribution



Red (65%)

Green (87%)

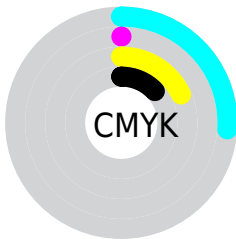
Blue (72%)



Red (65%)

Yellow (82%)

Blue (87%)

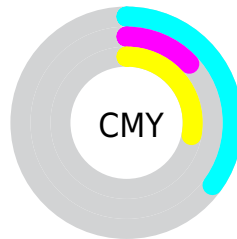


Cyan (26%)

Magenta (0%)

Yellow (18%)

Black (13%)



Cyan (35%)

Magenta (13%)

Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 29.575, 152.212 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 84, 29.575, 152.212 by changing the saturation by 10% instead.

 84, 29.575,
152.212

 84, 29.575,
152.212

 100, 29.575,
152.212


 74, 29.575,
152.212

 64, 29.575,
152.212

 54, 29.575,
152.212

 44, 29.575,
152.212

 34, 29.575,
152.212

 24, 29.575,
152.212

 14, 29.575,

152.212

■ 4, 29.575, 152.212

■ 0, 29.575, 152.212

■ 84, 29.575,
152.212

■ 84, 29.575,
152.212

■ 83, 40.963,
151.201

■ 86, 18.011,
153.093

■ 81, 51.971,
150.039

■ 88, 6.429, 153.891

■ 80, 62.384,
148.703

■ 90, 5.039, 334.429

■ 92, 16.298,
335.068

■ 79, 71.976,
147.181

■ 92, 20.238,
325.128

■ 79, 80.544,

145.475

■ 78, 87.932,
143.612

■ 78, 94.048,
141.658

■ 78, 96.399,
140.839

Harmonies

Complementary

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



84, 29.575, 152.212



74, 29.863, 336.041

Rectangle

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



84, 29.575, 152.212



84, 29.575, 202.212



84, 29.575, 332.212



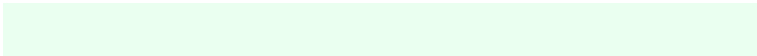
84, 29.575, 22.212

Sweetspot

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



84, 29.577, 152.212



98, 10.279, 153.696



86, 30.152, 119.646



52, 7.312, 153.577



0, 0.000, 0.000



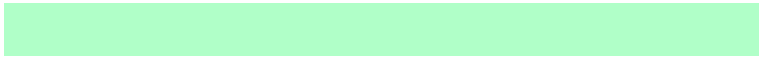
53, 0.007, 296.813

Same Dimension

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



84, 29.577, 152.212



94, 39.919, 151.659



85, 20.704, 179.603



46, 6.583, 153.587



63, 80.239, 141.169



16, 29.986, 145.499

Inverse Universe

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



74, 29.863, 336.041



81, 40.351, 336.490



74, 22.885, 4.739



44, 6.616, 334.830



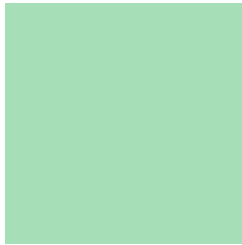
39, 70.005, 344.683



7, 29.412, 341.317

Previews

White Background



This preview shows how the CIELCh color 84, 29.575, 152.212 looks on a white background.

Color Contrast Check

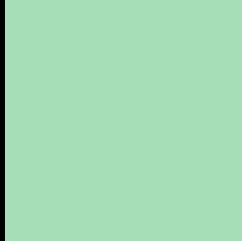
Large Text (above 18pt) WCAG AA × Fail

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 84, 29.575, 152.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

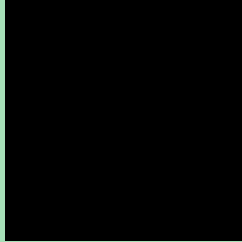
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 29.575, 152.212

Background



This preview shows how black text looks on a background with the CIELCh color 84, 29.575, 152.212.

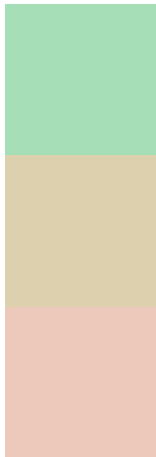


This preview shows how white text looks on a background with the CIELCh color 84, 29.575, 152.212.

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
84, 29.575, 152.212

Protanopia
84, 17.934, 93.596

Deuteranopia
84, 15.766, 47.936

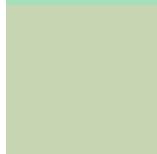


Tritanopia
84, 15.978, 232.959

Trichromacy



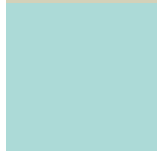
Original Color
84, 29.575, 152.212



Protanomaly
83, 19.017, 123.611



Deuteranomaly
83, 12.623, 105.628



Tritanomaly
84, 15.851, 192.553

Monochromacy



Original Color
84, 29.575, 152.212



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.101, 153.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 29.575, 152.212 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, 223, 183)` looks like.

```
.text, #text, p{  
    color:rgb(166, 223, 183)  
}
```

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, 223, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 223, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 29.575, 152.212 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, 223, 183) }
```

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

```
.border{ border-color:rgb(166, 223, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 223, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 223, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 223, 183);  
box-shadow:4px 4px 4px 4px rgb(166, 223,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 29.575, 152.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 223, 183) }
```

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

```
.background{ background-color: rgb(166,  
223, 183) }
```

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