

Converting Colors

CIELCh(84, 27.594, 166.469)

Have a look what the booklet for
CIELCh(84, 27.594, 166.469)
contains.

CIELCh(84, 27.492, 166.294)	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, 27.492, 166.294)

Conversions

Conversions Part 1

Format	Color
Hex	9CDFC4
RGB	156, 223, 196
RGB Percent	61%, 87%, 77%
CMY	0.3869, 0.1241, 0.2300
CMYK	0.30, 0.00, 0.12, 0.12
HSL	156°, 51%, 74%
HSV	156°, 30%, 88%
XYZ	50.2599, 64.0658, 62.1453
YIQ	199.8890, -31.2650, -22.6010

Conversions

Conversions Part 2

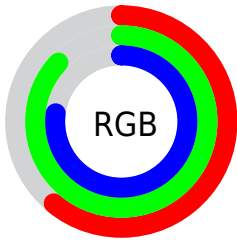
Format	Color
RYB	156, 198, 223
Decimal	10280900
CIELab	84.00, -26.71, 6.51
CIELCh	84, 27.492, 166.294
Yxy	64.0658, 0.2848, 0.3630
Android (android.graphics.Color)	4288470980 (0xFF9CDFC4)
YUV	199.8890, -1.9173, -38.4907
Hunter-Lab	80.0411, -27.9872, 9.9950

Details

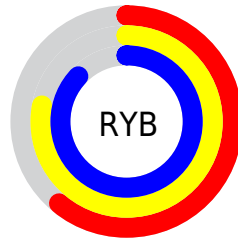
The CIELCh color $84, 27.492, 166.294$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $72, 29.154, 352.330$, and the grayscale version is $81, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 14.481, 194.466$, and $64, 27.992, 165.832$ is the 20% darker color. If you saturate the color by 10%, you get $83, 36.109, 165.094$, and if you desaturate by 10%, it is $85, 18.508, 167.377$.

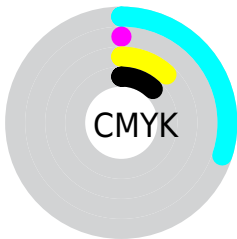
Distribution



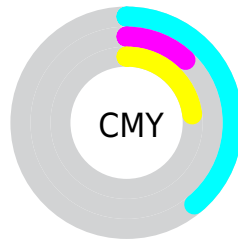
- Red (61%)
- Green (87%)
- Blue (77%)



- Red (61%)
- Yellow (78%)
- Blue (87%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)



- Cyan (39%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 27.492, 166.294 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, 27.492, 166.294 by changing the saturation by 10% instead.

 84, 27.492,
166.294

 84, 27.492,
166.294

 100, 27.492,
166.294

 74, 27.492,
166.294

 64, 27.492,
166.294

 54, 27.492,
166.294

 44, 27.492,
166.294

 34, 27.492,
166.294

 24, 27.492,
166.294

 14, 27.492,

166.294

■ 4, 27.492, 166.294

■ 0, 27.492, 166.294

■ 84, 27.492,
166.294

■ 84, 27.492,
166.294

■ 83, 36.109,
165.094

■ 85, 18.508,
167.377

■ 82, 44.199,
163.756

■ 87, 9.301, 168.380

■ 81, 51.609,
162.251

■ 89, 0.009, 275.744

■ 91, 9.298, 350.000

■ 80, 58.212,
160.556

■ 92, 14.644,
341.078

■ 79, 63.929,

158.652

92, 17.897,
329.462

79, 68.754,
156.535

92, 19.798,
325.113

79, 72.851,
154.274

Harmonies

Complementary

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



84, 27.492, 166.294



72, 29.154, 352.330

Rectangle

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



84, 27.492, 166.294



84, 27.492, 216.294



84, 27.492, 346.294



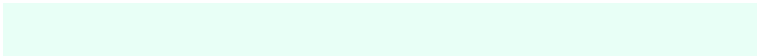
84, 27.492, 36.294

Sweetspot

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



84, 27.493, 166.292



98, 9.318, 168.472



85, 37.857, 130.555



52, 6.473, 168.328



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, 27.493, 166.292



94, 36.410, 165.557



83, 20.213, 206.520



46, 5.300, 168.435



63, 60.509, 154.672



17, 22.984, 159.091

Inverse Universe

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



72, 29.154, 352.330



77, 39.079, 353.169



72, 25.025, 28.430



44, 5.400, 350.032



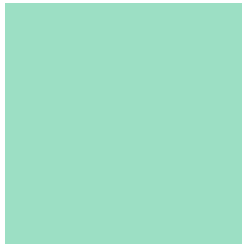
37, 64.149, 11.167



6, 25.705, 1.539

Previews

White Background



This preview shows how the CIELCh color 84, 27.492, 166.294 looks on a white background.

Color Contrast Check

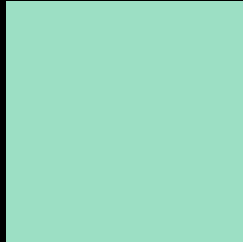
Large Text (above 18pt) WCAG AA × Fail

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 84, 27.492, 166.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

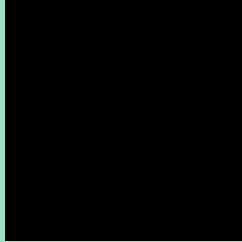
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

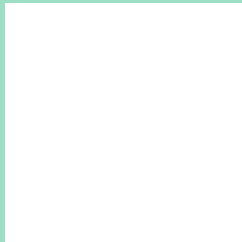
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 27.492, 166.294

Background



This preview shows how black text looks on a background with the CIELCh color 84, 27.492, 166.294.

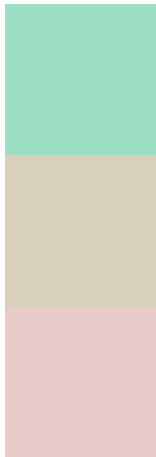


This preview shows how white text looks on a background with the CIELCh color 84, 27.492, 166.294.

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, 27.492, 166.294

Protanopia
84, 11.037, 91.248

Deuteranopia
84, 11.251, 22.877



Tritanopia
84, 19.047, 226.646

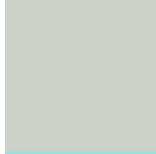
Trichromacy



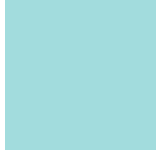
Original Color
84, 27.492, 166.294



Protanomaly
84, 14.036, 139.087



Deuteranomaly
83, 6.211, 130.442

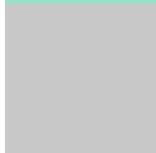


Tritanomaly
84, 19.261, 199.677

Monochromacy



Original Color
84, 27.492, 166.294



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 9.930, 169.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 27.492, 166.294 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(156, 223, 196)` looks like.

```
.text, #text, p{  
    color:rgb(156, 223, 196)  
}
```

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(156, 223, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 223, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 27.492, 166.294 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(156, 223, 196) }
```

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

```
.border{ border-color:rgb(156, 223, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 223, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 223, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 223, 196); box-shadow:4px 4px 4px 4px rgb(156, 223, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 27.492, 166.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 223, 196) }
```

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

```
.background{ background-color: rgb(156,  
223, 196) }
```

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