

Converting Colors

CIELCh(84, 33.092, 163.341)

Have a look what the booklet for
CIELCh(84, 33.092, 163.341)
contains.

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Color

CIELCh(84, 33.158, 163.378)

Conversions

Conversions Part 1

Format	Color
Hex	93E2BF
RGB	147, 226, 191
RGB Percent	58%, 89%, 75%
CMY	0.4252, 0.1154, 0.2526
CMYK	0.35, 0.00, 0.16, 0.12
HSL	153°, 57%, 73%
HSV	153°, 35%, 88%
XYZ	48.3952, 64.0658, 58.8658
YIQ	198.3890, -35.8490, -27.6330

Conversions

Conversions Part 2

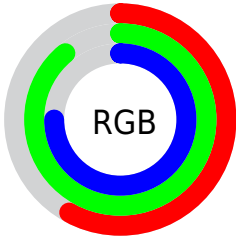
Format	Color
RYB	147, 198, 226
Decimal	9691839
CIELab	84.00, -31.77, 9.49
CIElCh	84, 33.158, 163.378
Yxy	64.0658, 0.2825, 0.3739
Android (android.graphics.Color)	4287881919 (0xFF93E2BF)
YUV	198.3890, -3.6428, -45.0682
Hunter-Lab	80.0411, -32.1455, 12.4242

Details

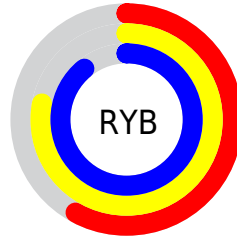
The CIELCh color **84, 33.158, 163.378** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **70, 35.098, 350.464**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.010, 185.091**, and **64, 32.806, 163.769** is the 20% darker color. If you saturate the color by 10%, you get **83, 41.949, 162.114**, and if you desaturate by 10%, it is **85, 23.941, 164.507**.

Distribution



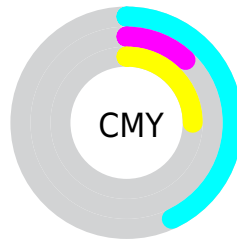
- Red (58%)
- Green (89%)
- Blue (75%)



- Red (58%)
- Yellow (78%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)




- Cyan (43%)
- Magenta (12%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 33.158, 163.378 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, 33.158, 163.378 by changing the saturation by 10% instead.


 84, 33.158,
163.378

 84, 33.158,
163.378


 100, 33.158,
163.378


 74, 33.158,
163.378

 64, 33.158,
163.378

 54, 33.158,
163.378

 44, 33.158,
163.378

 34, 33.158,
163.378


 24, 33.158,
163.378


 14, 33.158,


163.378


 4, 33.158, 163.378


 0, 33.158, 163.378


 84, 33.158,
163.378


 84, 33.158,
163.378

 83, 41.949,
162.114


 85, 23.941,
164.507

 82, 50.145,
160.691


 87, 14.451,
165.530

 81, 57.597,
159.083

 89, 4.830, 166.511

 80, 64.189,
157.270

 91, 4.804, 347.155

 92, 13.063,
344.123

 80, 69.867,

155.240

93, 16.576,
329.576

80, 74.666,
153.009

93, 18.404,
325.063

79, 76.838,
151.877

Harmonies

Complementary

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



84, 33.158, 163.378



70, 35.098, 350.464

Rectangle

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



84, 33.158, 163.378



84, 33.158, 213.378



84, 33.158, 343.378



84, 33.158, 33.378

Sweetspot

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



84, 33.159, 163.377



98, 11.704, 165.913



85, 44.037, 129.176



52, 7.862, 165.781



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, 33.159, 163.377



93, 43.447, 162.473



84, 24.020, 202.819



46, 5.447, 166.071



63, 63.306, 152.291



17, 23.932, 156.758

Inverse Universe

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



70, 35.098, 350.464



74, 46.464, 351.473



70, 30.900, 26.239



44, 5.536, 347.628



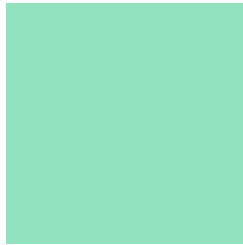
37, 63.917, 7.305



6, 25.947, 358.847

Previews

White Background



This preview shows how the CIELCh color 84, 33.158, 163.378 looks on a white background.

Color Contrast Check

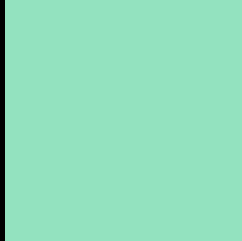
Large Text (above 18pt) WCAG AA × Fail

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, 33.158, 163.378 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

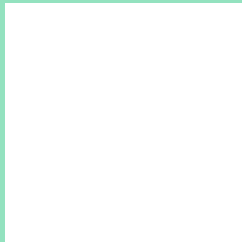
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 33.158, 163.378

Background



This preview shows how black text looks on a background with the CIELCh color 84, 33.158, 163.378.

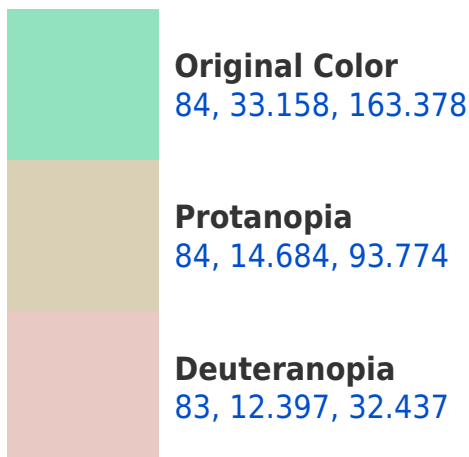



This preview shows how white text looks on a background with the CIELCh color 84, 33.158, 163.378.

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
84, 21.513, 224.599

Trichromacy



Original Color
84, 33.158, 163.378



Protanomaly
83, 17.827, 136.159



Deuteranomaly
83, 8.949, 128.748

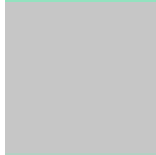


Tritanomaly
84, 22.319, 196.514

Monochromacy



Original Color
84, 33.158, 163.378



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 12.615, 165.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 33.158, 163.378 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(147, 226, 191)` looks like.

```
.text, #text, p{  
    color:rgb(147, 226, 191)  
}
```

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(147, 226, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 226, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 33.158, 163.378 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(147, 226, 191) }
```

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

```
.border{ border-color:rgb(147, 226, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 226, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 226, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 226, 191);  
box-shadow:4px 4px 4px 4px rgb(147, 226,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 33.158, 163.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 226, 191) }
```

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

```
.background{ background-color: rgb(147,  
226, 191) }
```

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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