

Converting Colors

CIELCh(83, 36.312, 158.275)

Have a look what the booklet for
CIELCh(83, 36.312, 158.275)
contains.

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Color

CIELCh(83, 36.287, 158.293)

Conversions

Conversions Part 1

Format	Color
Hex	8FDFB4
RGB	143, 223, 180
RGB Percent	56%, 87%, 71%
CMY	0.4378, 0.1240, 0.2927
CMYK	0.36, 0.00, 0.19, 0.12
HSL	148°, 56%, 72%
HSV	148°, 36%, 88%
XYZ	46.1573, 62.1629, 52.9414
YIQ	194.1780, -33.8770, -30.3330

Conversions

Conversions Part 2

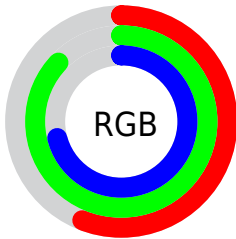
Format	Color
RYB	143, 198, 223
Decimal	9428916
CIELab	83.00, -33.71, 13.42
CIElCh	83, 36.287, 158.293
Yxy	62.1629, 0.2862, 0.3855
Android (android.graphics.Color)	4287618996 (0xFF8FDFB4)
YUV	194.1780, -6.9898, -44.8831
Hunter-Lab	78.8435, -33.4769, 15.3787

Details

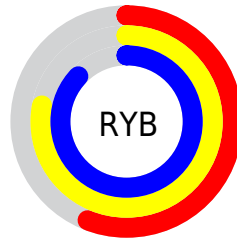
The CIELCh color **83, 36.287, 158.293** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **69, 37.589, 344.991**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.582, 171.187**, and **63, 36.105, 158.279** is the 20% darker color. If you saturate the color by 10%, you get **82, 45.821, 157.046**, and if you desaturate by 10%, it is **84, 26.357, 159.392**.

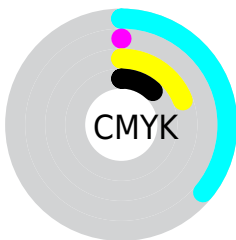
Distribution



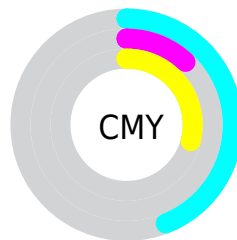
- Red (56%)
- Green (87%)
- Blue (71%)



- Red (56%)
- Yellow (78%)
- Blue (87%)



- Cyan (36%)
- Magenta (0%)
- Yellow (19%)
- Black (12%)





- Cyan (44%)
- Magenta (12%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 36.287, 158.293 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 83, 36.287, 158.293 by changing the saturation by 10% instead.


 83, 36.287,
158.293


 83, 36.287,
158.293


 100, 36.287,
158.293


 73, 36.287,
158.293

 63, 36.287,
158.293

 53, 36.287,
158.293

 43, 36.287,
158.293

 33, 36.287,
158.293

 23, 36.287,
158.293

 13, 36.287,

158.293

■ 3, 36.287, 158.293

■ 0, 36.287, 158.293

■ 83, 36.287,
158.293

■ 83, 36.287,
158.293

■ 82, 45.821,
157.046

■ 84, 26.357,
159.392

■ 81, 54.775,
155.629

■ 86, 16.193,
160.373

■ 80, 62.984,
154.017

■ 88, 5.946, 161.285

■ 79, 70.313,
152.195

■ 90, 4.266, 341.893

■ 92, 14.332,
342.611

■ 79, 76.689,

150.162

92, 18.710,
327.412

79, 82.129,
147.949

92, 19.778,
325.112

78, 84.217,
147.028

Harmonies

Complementary

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



83, 36.287, 158.293



69, 37.589, 344.991

Rectangle

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



83, 36.287, 158.293



83, 36.287, 208.293



83, 36.287, 338.293



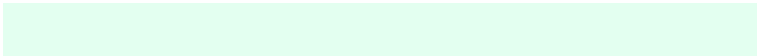
83, 36.287, 28.293

Sweetspot

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



83, 36.288, 158.292



98, 12.533, 160.807



85, 43.530, 125.566



52, 8.423, 160.683



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 36.288, 158.292



92, 48.056, 157.373



84, 25.967, 192.932



46, 5.831, 160.954



63, 69.880, 147.419



17, 26.213, 151.881

Inverse Universe

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



69, 37.589, 344.991



74, 50.016, 345.887



68, 32.582, 18.937



44, 5.894, 342.398



38, 64.715, 358.321



6, 26.848, 351.942

Previews

White Background



This preview shows how the CIELCh color 83, 36.287, 158.293 looks on a white background.

Color Contrast Check

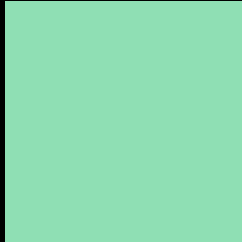
Large Text (above 18pt) WCAG AA × Fail

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 83, 36.287, 158.293 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

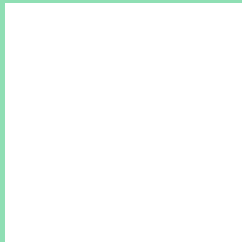
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 36.287, 158.293

Background



This preview shows how black text looks on a background with the CIELCh color 83, 36.287, 158.293.

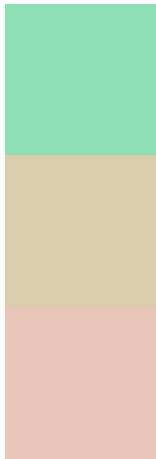


This preview shows how white text looks on a background with the CIELCh color 83, 36.287, 158.293.

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
83, 36.287, 158.293

Protanopia
83, 18.492, 93.916

Deuteranopia
83, 14.938, 45.195

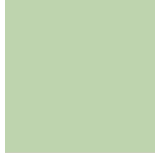


Tritanopia
83, 21.113, 223.598

Trichromacy



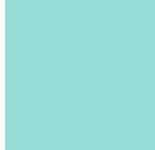
Original Color
83, 36.287, 158.293



Protanomaly
82, 21.678, 130.998



Deuteranomaly
82, 12.422, 121.341

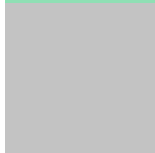


Tritanomaly
83, 22.750, 191.104

Monochromacy



Original Color
83, 36.287, 158.293



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 13.302, 161.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 36.287, 158.293 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(143, 223, 180)` looks like.

```
.text, #text, p{  
    color:rgb(143, 223, 180)  
}
```

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(143, 223, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 223, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 36.287, 158.293 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(143, 223, 180) }
```

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

```
.border{ border-color:rgb(143, 223, 180) }
```

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

Here you see how a box with a 4 pixel rgb(143, 223, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 223, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 223, 180);  
box-shadow:4px 4px 4px 4px rgb(143, 223,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 36.287, 158.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 223, 180) }
```

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

```
.background{ background-color: rgb(143,  
223, 180) }
```

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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