

# Converting Colors

CIELCh(83, 14.045, 188.722)

Have a look what the booklet for  
CIELCh(83, 14.045, 188.722)  
contains.

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# **Color**

**CIELCh(83, 14.196, 187.647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFD7D2
RGB	175, 215, 210
RGB Percent	69%, 84%, 82%
CMY	0.3149, 0.1580, 0.1777
CMYK	0.19, 0.00, 0.02, 0.16
HSL	172°, 33%, 76%
HSV	172°, 19%, 84%
XYZ	53.4303, 62.1629, 69.9571
YIQ	202.4700, -22.2350, -10.0350

# Conversions

## Conversions Part 2

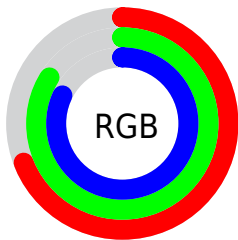
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 196, 215
Decimal	11524050
CIELab	83.00, -14.07, -1.89
CIELCh	83, 14.196, 187.647
Yxy	62.1629, 0.2880, 0.3350
Android (android.graphics.Color)	4289714130 (0xFFAFD7D2)
YUV	202.4700, 3.7123, -24.0912
Hunter-Lab	78.8435, -17.0110, 2.5830

# Details

The CIELCh color **83, 14.196, 187.647** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 15.572, 10.859**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.189, 198.968**, and **63, 13.976, 188.924** is the 20% darker color. If you saturate the color by 10%, you get **82, 21.261, 186.780**, and if you desaturate by 10%, it is **84, 6.708, 188.511**.

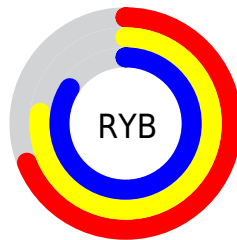
# Distribution



Red (69%)

Green (84%)

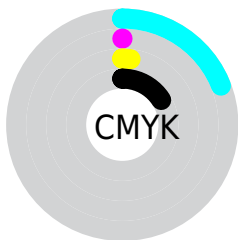
Blue (82%)



Red (69%)

Yellow (77%)

Blue (84%)

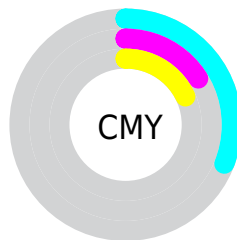


Cyan (19%)

Magenta (0%)

Yellow (2%)

Black (16%)



Cyan (31%)

Magenta (16%)

Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 14.196, 187.647 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, 14.196, 187.647 by changing the saturation by 10% instead.





 83, 14.196,  
187.647


 83, 14.196,  
187.647


 100, 14.196,  
187.647

 73, 14.196,  
187.647

 63, 14.196,  
187.647

 53, 14.196,  
187.647

 43, 14.196,  
187.647

 33, 14.196,  
187.647

 23, 14.196,  
187.647

 13, 14.196,

187.647

■ 3, 14.196, 187.647

■ 0, 14.196, 187.647

■ 83, 14.196,  
187.647

■ 83, 14.196,  
187.647

■ 82, 21.261,  
186.780

■ 84, 6.708, 188.511

■ 81, 27.767,  
185.894

■ 86, 1.087, 8.719

■ 88, 9.079, 9.962

■ 80, 33.586,  
184.971

■ 89, 15.117, 9.208

■ 79, 38.599,  
183.994

■ 89, 15.387, 4.111

■ 78, 42.718,

■ 89, 15.779,  
359.234

182.946

90, 16.283,  
354.632

78, 45.900,  
181.808

90, 16.891,  
350.342

78, 48.164,  
180.558

90, 17.591,  
346.380

77, 49.652,  
179.195

77, 49.835,  
179.008

# Harmonies

# Complementary

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



83, 14.196, 187.647



75, 15.572, 10.859

# Rectangle

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



83, 14.196, 187.647



83, 14.196, 237.647



83, 14.196, 7.647



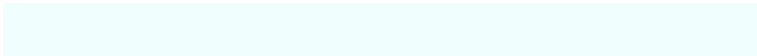
83, 14.196, 57.647

# Sweetspot

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



83, 14.197, 187.642



99, 5.386, 188.754



83, 24.786, 139.785



53, 3.569, 188.689



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, 14.197, 187.642



96, 19.114, 187.334



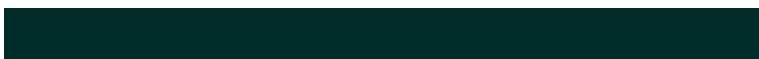
79, 11.519, 241.944



44, 4.398, 188.439



63, 41.936, 179.244



15, 16.021, 182.062



# Inverse Universe

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



75, 15.572, 10.859



85, 21.373, 11.282



78, 12.597, 58.111



42, 4.603, 9.874



35, 72.094, 34.182



5, 21.978, 14.192



# Previews

## White Background



This preview shows how the CIELCh color 83, 14.196, 187.647 looks on a white background.

## Color Contrast Check

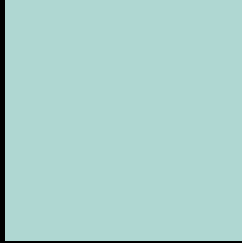
Large Text (above 18pt) WCAG AA × Fail

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 83, 14.196, 187.647 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

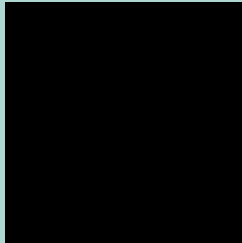
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

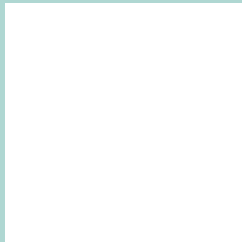
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 83, 14.196, 187.647**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 83, 14.196, 187.647.

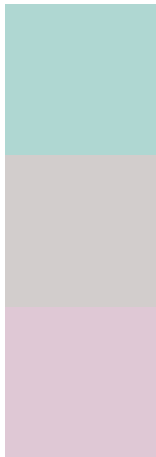


This preview shows how white text looks on a background with the CIELCh color 83, 14.196, 187.647.

# 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

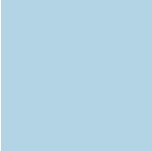


**Original Color**  
83, 14.196, 187.647

**Protanopia**  
83, 1.898, 35.369

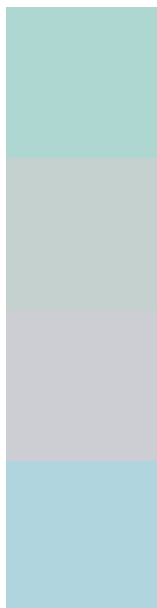
**Deuteranopia**  
83, 10.866, 341.073





**Tritanopia**  
83, 14.262, 238.048

# Trichromacy



**Original Color**  
83, 14.196, 187.647

**Protanomaly**  
83, 4.620, 179.108

**Deuteranomaly**  
83, 3.711, 290.518

**Tritanomaly**  
83, 12.969, 220.268

# Monochromacy



**Original Color**  
83, 14.196, 187.647

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
82, 5.496, 187.968

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 14.196, 187.647 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(175, 215, 210)` looks like.

```
.text, #text, p{  
    color:rgb(175, 215, 210)  
}
```

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(175, 215, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 215, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 14.196, 187.647 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(175, 215, 210) }
```

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

```
.border{ border-color:rgb(175, 215, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 215, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 215, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 215, 210);  
box-shadow:4px 4px 4px 4px rgb(175, 215,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 14.196, 187.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 215, 210) }
```

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

```
.background{ background-color: rgb(175,  
215, 210) }
```

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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