

Converting Colors

CIELCh(83, 41.326, 150.971)

Have a look what the booklet for
CIELCh(83, 41.326, 150.971)
contains.

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Color

CIELCh(83, 41.243, 151.252)

Conversions

Conversions Part 1

Format	Color
Hex	90E0A8
RGB	144, 224, 168
RGB Percent	56%, 88%, 66%
CMY	0.4347, 0.1210, 0.3406
CMYK	0.36, 0.00, 0.25, 0.12
HSL	138°, 56%, 72%
HSV	138°, 36%, 88%
XYZ	45.3009, 62.1629, 46.7236
YIQ	193.6960, -29.7040, -34.3760

Conversions

Conversions Part 2

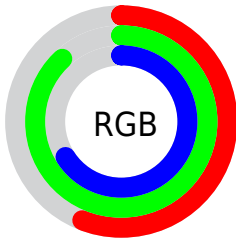
Format	Color
RYB	144, 206, 224
Decimal	9494696
CIELab	83.00, -36.16, 19.84
CIElCh	83, 41.243, 151.252
Yxy	62.1629, 0.2938, 0.4032
Android (android.graphics.Color)	4287684776 (0xFF90E0A8)
YUV	193.6960, -12.6681, -43.5834
Hunter-Lab	78.8435, -35.4158, 20.0545

Details

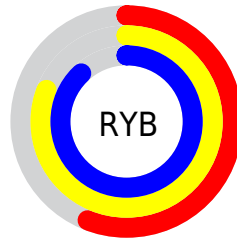
The CIELCh color $83, 41.243, 151.252$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $69, 41.713, 336.929$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 25.400, 157.681$, and $63, 40.939, 151.404$ is the 20% darker color. If you saturate the color by 10%, you get $82, 52.293, 150.086$, and if you desaturate by 10%, it is $84, 29.815, 152.265$.

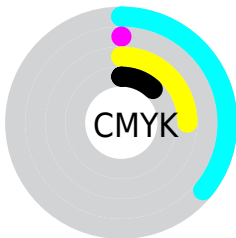
Distribution



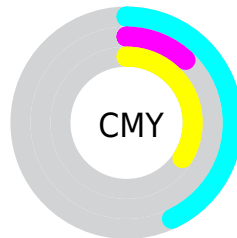
- Red (56%)
- Green (88%)
- Blue (66%)



- Red (56%)
- Yellow (81%)
- Blue (88%)



- Cyan (36%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)





- Cyan (43%)
- Magenta (12%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 41.243, 151.252 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, 41.243, 151.252 by changing the saturation by 10% instead.


 83, 41.243,
151.252


 83, 41.243,
151.252


 100, 41.243,
151.252


 73, 41.243,
151.252

 63, 41.243,
151.252

 53, 41.243,
151.252

 43, 41.243,
151.252

 33, 41.243,
151.252

 23, 41.243,
151.252

 13, 41.243,

151.252

■ 3, 41.243, 151.252

■ 0, 41.243, 151.252

■ 83, 41.243,
151.252

■ 83, 41.243,
151.252

■ 82, 52.293,
150.086

■ 84, 29.815,
152.265

■ 81, 62.739,
148.746

■ 86, 18.202,
153.149

■ 80, 72.359,
147.221

■ 88, 6.571, 153.948

■ 79, 80.950,
145.510

■ 90, 4.947, 334.487

■ 92, 15.960,
333.986

■ 79, 88.355,

143.642

93, 19.299,
325.095

78, 94.486,
141.682

78, 96.794,
140.880

Harmonies

Complementary

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



83, 41.243, 151.252



69, 41.713, 336.929

Rectangle

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



83, 41.243, 151.252



83, 41.243, 201.252



83, 41.243, 331.252



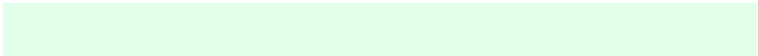
83, 41.243, 21.252

Sweetspot

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



83, 41.244, 151.252



98, 14.140, 153.523



86, 42.007, 119.044



52, 9.507, 153.414



0, 0.000, 0.000



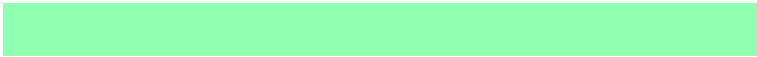
53, 0.007, 296.813

Same Dimension

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



83, 41.244, 151.252



92, 54.790, 150.379



84, 28.339, 178.535



46, 6.575, 153.652



63, 80.147, 141.219



16, 29.953, 145.547

Inverse Universe

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



69, 41.713, 336.929



74, 55.368, 337.587



68, 32.716, 6.239



44, 6.608, 334.897



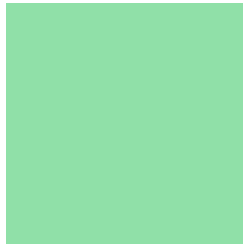
39, 69.932, 344.803



7, 29.382, 341.409

Previews

White Background



This preview shows how the CIELCh color 83, 41.243, 151.252 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, 41.243, 151.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

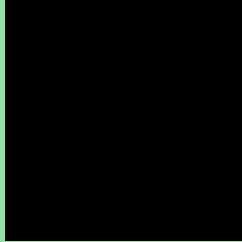
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 41.243, 151.252

Background



This preview shows how black text looks on a background with the CIELCh color 83, 41.243, 151.252.

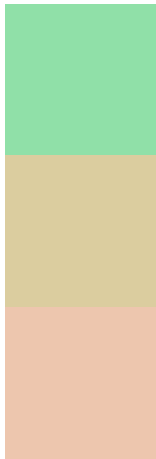


This preview shows how white text looks on a background with the CIELCh color 83, 41.243, 151.252.

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, 41.243, 151.252

Protanopia
83, 24.801, 95.036

Deuteranopia
83, 20.045, 59.043

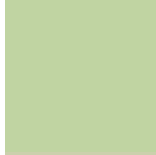


Tritanopia
83, 20.347, 224.668

Trichromacy



Original Color
83, 41.243, 151.252



Protanomaly
82, 27.311, 124.316



Deuteranomaly
82, 19.016, 114.314



Tritanomaly
83, 22.942, 184.400

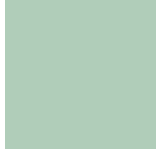
Monochromacy



Original Color
83, 41.243, 151.252



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.133, 153.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 41.243, 151.252 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(144, 224, 168)` looks like.

```
.text, #text, p{  
    color:rgb(144, 224, 168)  
}
```

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(144, 224, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 224, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 41.243, 151.252 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(144, 224, 168) }
```

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

```
.border{ border-color:rgb(144, 224, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 224, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 224, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 224, 168);  
box-shadow:4px 4px 4px 4px rgb(144, 224,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 41.243, 151.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 224, 168) }
```

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

```
.background{ background-color: rgb(144,  
224, 168) }
```

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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