

Converting Colors

CIELCh(83, 46.440, 153.238)

Have a look what the booklet for
CIELCh(83, 46.440, 153.238)
contains.

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Color

CIELCh(83, 46.067, 153.274)

Conversions

Conversions Part 1

Format	Color
Hex	83E2A6
RGB	131, 226, 166
RGB Percent	51%, 89%, 65%
CMY	0.4852, 0.1126, 0.3479
CMYK	0.42, 0.00, 0.27, 0.11
HSL	142°, 62%, 70%
HSV	142°, 42%, 89%
XYZ	43.5880, 62.1629, 45.9095
YIQ	190.7550, -37.3600, -38.8000

Conversions

Conversions Part 2

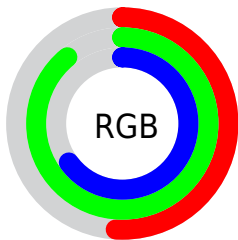
Format	Color
RYB	131, 200, 226
Decimal	8643238
CIELab	83.00, -41.15, 20.72
CIElCh	83, 46.067, 153.274
Yxy	62.1629, 0.2874, 0.4099
Android (android.graphics.Color)	4286833318 (0xFF83E2A6)
YUV	190.7550, -12.2042, -52.4051
Hunter-Lab	78.8435, -39.2937, 20.6667

Details

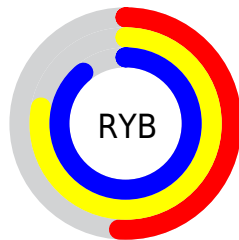
The CIELCh color $83, 46.067, 153.274$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $67, 47.014, 340.712$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 29.158, 160.850$, and $63, 45.998, 153.373$ is the 20% darker color. If you saturate the color by 10%, you get $82, 56.229, 151.964$, and if you desaturate by 10%, it is $84, 35.398, 154.416$.

Distribution



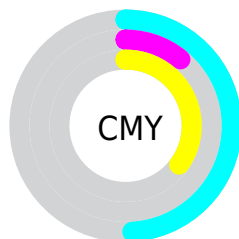
- Red (51%)
- Green (89%)
- Blue (65%)



- Red (51%)
- Yellow (78%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 46.067, 153.274 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, 46.067, 153.274 by changing the saturation by 10% instead.


 83, 46.067,
153.274


 83, 46.067,
153.274


 100, 46.067,
153.274


 73, 46.067,
153.274

 63, 46.067,
153.274

 53, 46.067,
153.274

 43, 46.067,
153.274

 33, 46.067,
153.274

 23, 46.067,
153.274

 13, 46.067,

153.274

■ 3, 46.067, 153.274

■ 0, 46.067, 153.274

■ 83, 46.067,
153.274

■ 83, 46.067,
153.274

■ 82, 56.229,
151.964

■ 84, 35.398,
154.416

■ 81, 65.677,
150.466

■ 86, 24.415,
155.416

■ 80, 74.228,
148.768

■ 88, 13.296,
156.302

■ 80, 81.747,
146.873

■ 90, 2.186, 157.223

■ 79, 88.166,

■ 92, 8.801, 337.680

144.814

93, 16.728,
327.994

79, 92.597,
143.138

93, 17.948,
325.047

Harmonies

Complementary

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



83, 46.067, 153.274



67, 47.014, 340.712

Rectangle

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



83, 46.067, 153.274



83, 46.067, 203.274



83, 46.067, 333.274



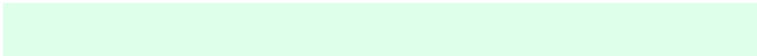
83, 46.067, 23.274

Sweetspot

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



83, 46.068, 153.274



97, 15.893, 156.209



86, 50.315, 122.075



51, 11.127, 156.018



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, 46.068, 153.274



91, 59.748, 152.193



84, 31.238, 184.840



46, 6.250, 156.515



63, 76.065, 143.521



16, 28.458, 147.836

Inverse Universe

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



67, 47.014, 340.712



70, 60.882, 341.609



65, 38.957, 13.667



44, 6.295, 337.840



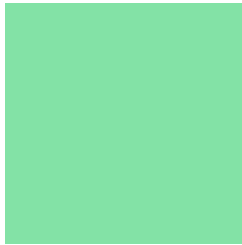
39, 67.218, 350.114



7, 28.188, 345.525

Previews

White Background



This preview shows how the CIELCh color 83, 46.067, 153.274 looks on a white background.

Color Contrast Check

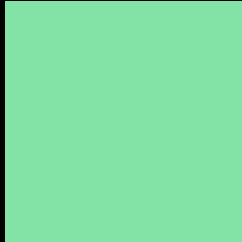
Large Text (above 18pt) WCAG AA × Fail

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, 46.067, 153.274 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, 46.067, 153.274

Background



This preview shows how black text looks on a background with the CIELCh color 83, 46.067, 153.274.

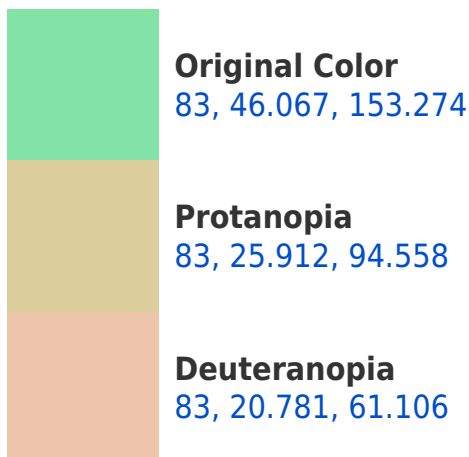


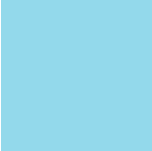
This preview shows how white text looks on a background with the CIELCh color 83, 46.067, 153.274.

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
83, 23.509, 222.138

Trichromacy



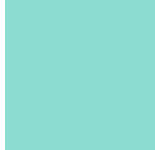
Original Color
83, 46.067, 153.274



Protanomaly
82, 29.386, 126.906



Deuteranomaly
82, 20.280, 118.241

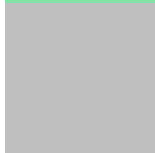


Tritanomaly
83, 26.599, 185.999

Monochromacy



Original Color
83, 46.067, 153.274



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 17.472, 156.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 46.067, 153.274 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(131, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 226, 166)  
}
```

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(131, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 226, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 46.067, 153.274 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(131, 226, 166) }
```

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

```
.border{ border-color:rgb(131, 226, 166) }
```

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

Here you see how a box with a 4 pixel rgb(131, 226, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 226,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 46.067, 153.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 226, 166) }
```

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

```
.background{ background-color: rgb(131,  
226, 166) }
```

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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