

Converting Colors

CIELCh(83, 50.670, 132.755)

Have a look what the booklet for
CIELCh(83, 50.670, 132.755)
contains.

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Color

CIELCh(83, 50.766, 132.873)

Conversions

Conversions Part 1

Format	Color
Hex	A4DF87
RGB	164, 223, 135
RGB Percent	64%, 87%, 53%
CMY	0.3583, 0.1270, 0.4720
CMYK	0.26, 0.00, 0.40, 0.13
HSL	100°, 58%, 70%
HSV	100°, 40%, 87%
XYZ	45.8668, 62.1629, 32.3719
YIQ	195.3270, -6.9160, -39.8760

Conversions

Conversions Part 2

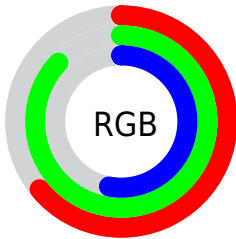
Format	Color
RYB	135, 223, 194
Decimal	10805127
CIELab	83.00, -34.54, 37.20
CIELCh	83, 50.766, 132.873
Yxy	62.1629, 0.3267, 0.4428
Android (android.graphics.Color)	4288995207 (0xFFA4DF87)
YUV	195.3270, -29.7412, -27.4738
Hunter-Lab	78.8435, -34.1346, 30.8469

Details

The CIELCh color **83, 50.766, 132.873** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **65, 52.485, 316.495**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 35.744, 128.399**, and **63, 50.339, 132.865** is the 20% darker color. If you saturate the color by 10%, you get **82, 63.002, 132.347**, and if you desaturate by 10%, it is **84, 38.089, 133.411**.

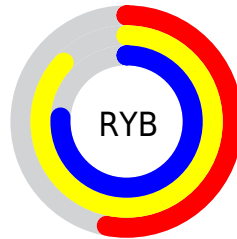
Distribution



Red (64%)

Green (87%)

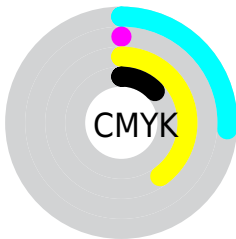
Blue (53%)



Red (53%)

Yellow (87%)

Blue (76%)

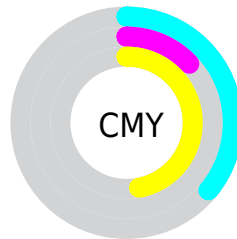


Cyan (26%)

Magenta (0%)

Yellow (40%)

Black (13%)



Cyan (36%)


Magenta (13%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 50.766, 132.873 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, 50.766, 132.873 by changing the saturation by 10% instead.


 83, 50.766,
132.873


 83, 50.766,
132.873


 100, 50.766,
132.873


 73, 50.766,
132.873

 63, 50.766,
132.873

 53, 50.766,
132.873

 43, 50.766,
132.873

 33, 50.766,
132.873

 23, 50.766,
132.873

 13, 50.766,

132.873

■ 3, 50.766, 132.873

■ 0, 50.766, 132.873

■ 83, 50.766,
132.873

■ 83, 50.766,
132.873

■ 82, 63.002,
132.347

■ 84, 38.089,
133.411

■ 81, 74.472,
131.886

■ 86, 25.196,
133.925

■ 80, 84.741,
131.582

■ 87, 12.251,
134.405

■ 79, 93.268,
131.557

■ 89, 0.629, 314.518

■ 79, 99.524,

■ 91, 13.362,
315.177

131.937

92, 19.921,
323.586

78, 103.455,
132.710

92, 20.260,
325.129

78, 103.620,
132.745

Harmonies

Complementary

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



83, 50.766, 132.873



65, 52.485, 316.495

Rectangle

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



83, 50.766, 132.873



83, 50.766, 182.873



83, 50.766, 312.873



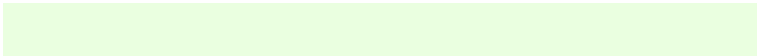
83, 50.766, 2.873

Sweetspot

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



83, 50.768, 132.874



98, 17.264, 134.284



79, 33.439, 85.951



52, 11.456, 134.222



0, 0.000, 0.000



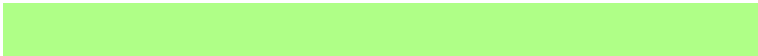
53, 0.007, 296.813

Same Dimension

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



83, 50.768, 132.874



93, 66.937, 132.458



82, 50.047, 146.186



46, 7.357, 134.408



63, 86.700, 132.533



17, 32.442, 133.081

Inverse Universe

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



65, 52.485, 316.495



69, 69.633, 316.807



68, 50.101, 331.879



44, 7.422, 315.173



32, 91.141, 316.486



5, 34.661, 316.711

Previews

White Background



This preview shows how the CIELCh color 83, 50.766, 132.873 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, 50.766, 132.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

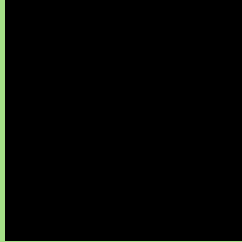
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 50.766, 132.873

Background



This preview shows how black text looks on a background with the CIELCh color 83, 50.766, 132.873.

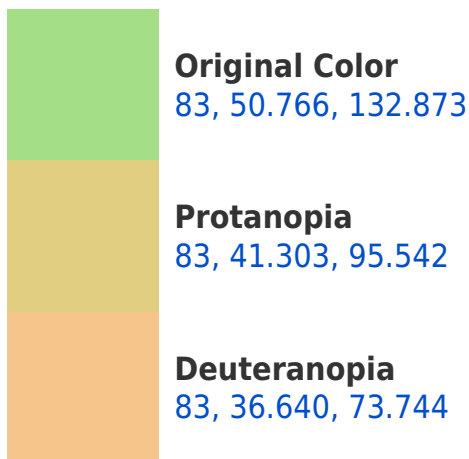


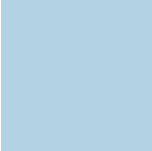
This preview shows how white text looks on a background with the CIELCh color 83, 50.766, 132.873.

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, 13.785, 239.751

Trichromacy



Original Color
83, 50.766, 132.873



Protanomaly
83, 42.456, 111.404



Deuteranomaly
82, 35.690, 100.433

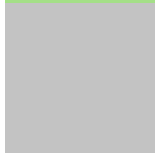


Tritanomaly
83, 18.831, 161.953

Monochromacy



Original Color
83, 50.766, 132.873



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 18.756, 133.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 50.766, 132.873 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(164, 223, 135)` looks like.

```
.text, #text, p{  
    color:rgb(164, 223, 135)  
}
```

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(164, 223, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 223, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 50.766, 132.873 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(164, 223, 135) }
```

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

```
.border{ border-color:rgb(164, 223, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 223, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 223, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 223, 135);  
box-shadow:4px 4px 4px 4px rgb(164, 223,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 50.766, 132.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 223, 135) }
```

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

```
.background{ background-color: rgb(164,  
223, 135) }
```

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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