

Converting Colors

CIELCh(80, 21.477, 135.650)

Have a look what the booklet for
CIELCh(80, 21.477, 135.650)
contains.

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Color

CIELCh(80, 21.497, 135.646)

Conversions

Conversions Part 1

Format	Color
Hex	B4CEAA
RGB	180, 206, 170
RGB Percent	71%, 81%, 67%
CMY	0.2945, 0.1926, 0.3337
CMYK	0.13, 0.00, 0.17, 0.19
HSL	103°, 27%, 74%
HSV	103°, 17%, 81%
XYZ	48.0904, 56.6813, 46.3856
YIQ	194.1220, -3.9400, -16.7080

Conversions

Conversions Part 2

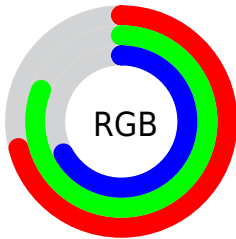
Format	Color
RYB	170, 206, 196
Decimal	11849386
CIELab	80.00, -15.37, 15.03
CIElCh	80, 21.497, 135.646
Yxy	56.6813, 0.3181, 0.3750
Android (android.graphics.Color)	4290039466 (0xFFB4CEAA)
YUV	194.1220, -11.8921, -12.3850
Hunter-Lab	75.2870, -17.7333, 16.1713

Details

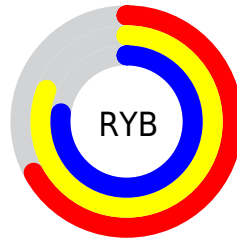
The CIELCh color **80, 21.497, 135.646** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **73, 21.762, 317.169**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 16.751, 133.090**, and **60, 21.579, 135.815** is the 20% darker color. If you saturate the color by 10%, you get **79, 33.818, 135.118**, and if you desaturate by 10%, it is **82, 9.165, 136.135**.

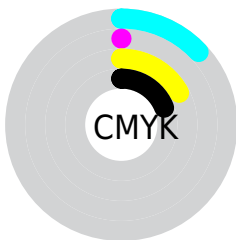
Distribution



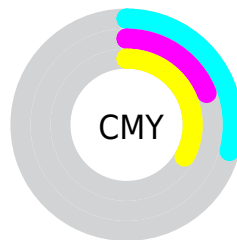
- Red (71%)
- Green (81%)
- Blue (67%)



- Red (67%)
- Yellow (81%)
- Blue (77%)



- Cyan (13%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)





- Cyan (29%)
- Magenta (19%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.497, 135.646 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 80, 21.497, 135.646 by changing the saturation by 10% instead.


 80, 21.497,
135.646


 80, 21.497,
135.646


 100, 21.497,
135.646


 70, 21.497,
135.646

 60, 21.497,
135.646

 50, 21.497,
135.646

 40, 21.497,
135.646

 30, 21.497,
135.646

 20, 21.497,
135.646

 10, 21.497,

135.646

0, 21.497, 135.646

80, 21.497,
135.646

80, 21.497,
135.646

79, 33.818,
135.118

82, 9.165, 136.135

77, 45.970,
134.550

83, 3.076, 316.474

76, 57.748,
133.970

85, 15.148,
316.892

75, 68.861,
133.423

87, 26.998,
317.219

75, 78.919,
132.990

88, 30.652,
325.074

88, 30.788,
325.496

■ 74, 87.424,
132.783

■ 73, 93.856,
132.932

■ 73, 97.955,
133.491

■ 73, 98.787,
133.629

Harmonies

Complementary

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



80, 21.497, 135.646



73, 21.762, 317.169

Rectangle

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



80, 21.497, 135.646



80, 21.497, 185.646



80, 21.497, 315.646



80, 21.497, 5.646

Sweetspot

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



80, 21.499, 135.647



99, 7.271, 136.252



79, 14.260, 92.772



53, 4.964, 136.217



0, 0.000, 0.000



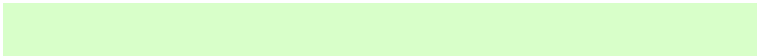
53, 0.007, 296.813

Same Dimension

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



80, 21.499, 135.647



96, 30.737, 135.452



80, 20.140, 149.914



42, 6.902, 136.044



60, 83.880, 133.443



12, 26.431, 137.123

Inverse Universe

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



73, 21.762, 317.169



86, 31.188, 317.336



73, 20.226, 332.219



40, 6.954, 316.812



31, 86.356, 318.150



3, 26.144, 315.914

Previews

White Background



This preview shows how the CIELCh color 80, 21.497, 135.646 looks on a white background.

Color Contrast Check

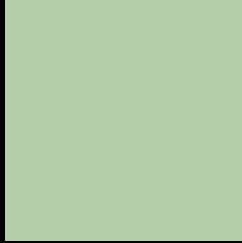
Large Text (above 18pt) WCAG AA × Fail

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 80, 21.497, 135.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

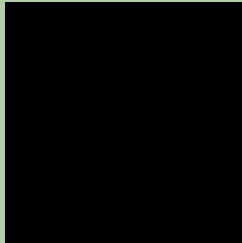
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 21.497, 135.646

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.497, 135.646.

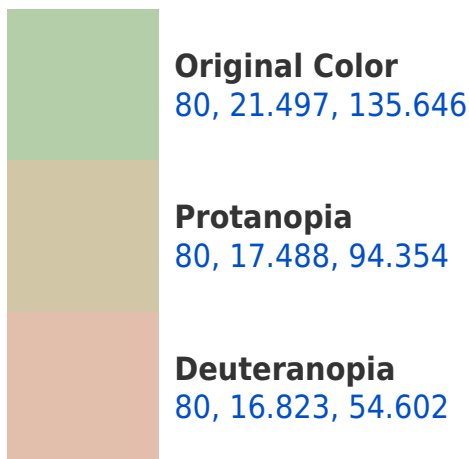


This preview shows how white text looks on a background with the CIELCh color 80, 21.497, 135.646.

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
80, 9.091, 261.006

Trichromacy



Original Color
80, 21.497, 135.646

Protanomaly
80, 18.014, 112.248

Deuteranomaly
80, 13.704, 87.398

Tritanomaly
80, 6.691, 185.140

Monochromacy



Original Color
80, 21.497, 135.646

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 7.718, 135.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.497, 135.646 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(180, 206, 170)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 170)  
}
```

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(180, 206, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.497, 135.646 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(180, 206, 170) }
```

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

```
.border{ border-color:rgb(180, 206, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 170);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.497, 135.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 170) }
```

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

```
.background{ background-color: rgb(180,  
206, 170) }
```

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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