

Converting Colors

CIELCh(80, 16.732, 131.466)

Have a look what the booklet for
CIELCh(80, 16.732, 131.466)
contains.

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Color

CIELCh(80, 16.686, 131.419)

Conversions

Conversions Part 1

Format	Color
Hex	BBCCAF
RGB	187, 204, 175
RGB Percent	73%, 80%, 69%
CMY	0.2677, 0.2010, 0.3147
CMYK	0.08, 0.00, 0.14, 0.20
HSL	95°, 22%, 74%
HSV	95°, 14%, 80%
XYZ	49.6763, 56.6813, 48.7510
YIQ	195.6110, -0.8230, -12.6230

Conversions

Conversions Part 2

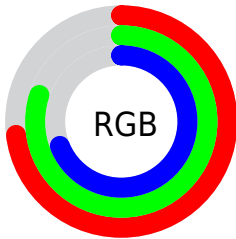
Format	Color
RYB	175, 204, 192
Decimal	12307631
CIELab	80.00, -11.04, 12.51
CIELCh	80, 16.686, 131.419
Yxy	56.6813, 0.3203, 0.3654
Android (android.graphics.Color)	4290497711 (0xFFBBCCAF)
YUV	195.6110, -10.1612, -7.5518
Hunter-Lab	75.2870, -13.9734, 14.3085

Details

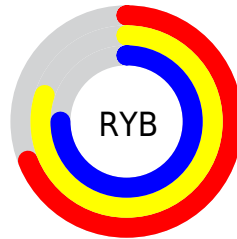
The CIELCh color $80, 16.686, 131.419$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $74, 16.953, 312.624$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 12.948, 128.660$, and $60, 16.482, 131.476$ is the 20% darker color. If you saturate the color by 10%, you get $79, 28.431, 130.946$, and if you desaturate by 10%, it is $81, 4.941, 131.881$.

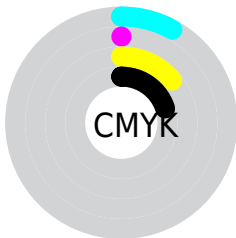
Distribution



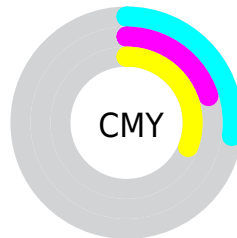
- Red (73%)
- Green (80%)
- Blue (69%)



- Red (69%)
- Yellow (80%)
- Blue (75%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)





- Cyan (27%)
- Magenta (20%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 16.686, 131.419 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, 16.686, 131.419 by changing the saturation by 10% instead.


 80, 16.686,
131.419


 80, 16.686,
131.419


 100, 16.686,
131.419


 70, 16.686,
131.419


 60, 16.686,
131.419

 50, 16.686,
131.419

 40, 16.686,
131.419

 30, 16.686,
131.419

 20, 16.686,
131.419

 10, 16.686,

131.419

0, 16.686, 131.419

80, 16.686,
131.419

80, 16.686,
131.419

79, 28.431,
130.946

81, 4.941, 131.881

78, 40.055,
130.454

83, 6.728, 312.229

77, 51.400,
129.969

84, 18.264,
312.602

76, 62.235,
129.536

86, 29.021,
313.377

75, 72.235,
129.227

87, 30.682,
320.726

88, 32.142,
325.543

■ 74, 80.963,
129.146

■ 74, 87.918,
129.423

■ 73, 92.704,
130.164

■ 73, 94.709,
130.714

Harmonies

Complementary

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



80, 16.686, 131.419



74, 16.953, 312.624

Rectangle

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



80, 16.686, 131.419



80, 16.686, 181.419



80, 16.686, 311.419



80, 16.686, 1.419

Sweetspot

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



80, 16.688, 131.421



99, 5.604, 131.890



78, 10.141, 82.035



53, 3.985, 131.853



0, 0.000, 0.000



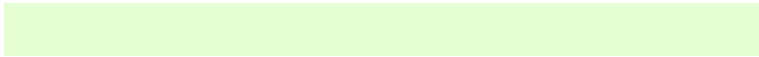
53, 0.007, 296.813

Same Dimension

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



80, 16.688, 131.421



97, 23.928, 131.282



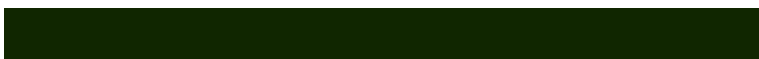
79, 17.863, 145.893



42, 6.649, 131.643



60, 81.038, 130.486



13, 25.282, 133.387

Inverse Universe

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



74, 16.953, 312.624



88, 24.385, 312.760



75, 17.892, 327.569



40, 6.724, 312.406



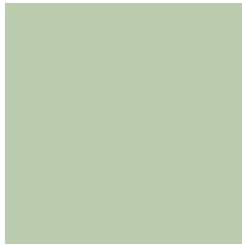
28, 88.670, 314.126



3, 25.028, 310.025

Previews

White Background



This preview shows how the CIELCh color 80, 16.686, 131.419 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, 16.686, 131.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

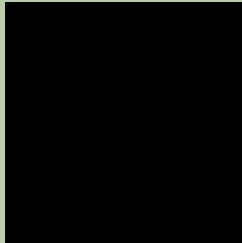
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 16.686, 131.419

Background



This preview shows how black text looks on a background with the CIELCh color 80, 16.686, 131.419.



This preview shows how white text looks on a background with the CIELCh color 80, 16.686, 131.419.

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
80, 16.686, 131.419

Protanopia
80, 14.310, 93.198

Deuteranopia
80, 15.246, 49.252



Tritanopia
80, 8.675, 279.249

Trichromacy



Original Color
80, 16.686, 131.419

Protanomaly
80, 14.294, 108.880

Deuteranomaly
80, 12.095, 80.595

Tritanomaly
80, 3.253, 199.327

Monochromacy



Original Color
80, 16.686, 131.419

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 5.786, 132.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 16.686, 131.419 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(187, 204, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 204, 175)  
}
```

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(187, 204, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 204, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 16.686, 131.419 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(187, 204, 175) }
```

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

```
.border{ border-color:rgb(187, 204, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 204, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 204, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 204, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 204,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 16.686, 131.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 204, 175) }
```

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

```
.background{ background-color: rgb(187,  
204, 175) }
```

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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