

Converting Colors

CIELCh(81, 20.074, 111.706)

Have a look what the booklet for
CIELCh(81, 20.074, 111.706)
contains.

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Color

CIELCh(81, 20.056, 111.714)

Conversions

Conversions Part 1

Format	Color
Hex	C9CCA6
RGB	201, 204, 166
RGB Percent	79%, 80%, 65%
CMY	0.2111, 0.1993, 0.3483
CMYK	0.01, 0.00, 0.19, 0.20
HSL	65°, 27%, 73%
HSV	65°, 19%, 80%
XYZ	52.6683, 58.4711, 44.6685
YIQ	198.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

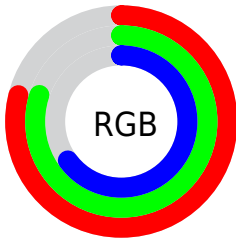
Format	Color
RYB	166, 204, 169
Decimal	13225126
CIELab	81.00, -7.42, 18.63
CIELCh	81, 20.056, 111.714
Yxy	58.4711, 0.3380, 0.3753
Android (android.graphics.Color)	4291415206 (0xFFC9CCA6)
YUV	198.7710, -16.1561, 1.9548
Hunter-Lab	76.4664, -10.8695, 18.8917

Details

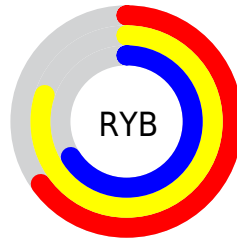
The CIELCh color **81, 20.056, 111.714** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 20.926, 295.075**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **61, 20.075, 111.491** is the 20% darker color. If you saturate the color by 10%, you get **80, 30.673, 110.872**, and if you desaturate by 10%, it is **82, 9.306, 112.564**.

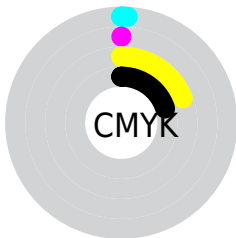
Distribution



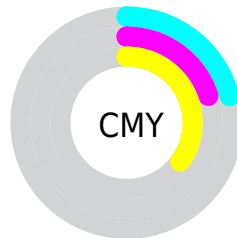
- Red (79%)
- Green (80%)
- Blue (65%)



- Red (65%)
- Yellow (80%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (21%)
- Magenta (20%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 20.056, 111.714 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 81, 20.056, 111.714 by changing the saturation by 10% instead.


 81, 20.056,
111.714


 81, 20.056,
111.714


 100, 20.056,
111.714


 71, 20.056,
111.714

 61, 20.056,
111.714

 51, 20.056,
111.714

 41, 20.056,
111.714

 31, 20.056,
111.714

 21, 20.056,
111.714

 11, 20.056,

111.714

■ 1, 20.056, 111.714

■ 0, 20.056, 111.714

■ 81, 20.056,
111.714

■ 81, 20.056,
111.714

■ 80, 30.673,
110.872

■ 82, 9.306, 112.564

■ 80, 41.038,
110.045

■ 82, 1.509, 293.424

■ 80, 50.977,
109.266

■ 83, 12.335,
294.212

■ 79, 60.228,
108.572

■ 84, 23.140,
294.987

■ 79, 68.409,

■ 84, 26.939,
295.983

108.014

84, 26.982,
297.112

79, 75.032,
107.652

84, 27.035,
298.240

79, 79.613,
107.545

84, 27.098,
299.369

78, 82.067,
107.706

85, 27.171,
300.495

78, 82.346,
107.735

Harmonies

Complementary

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



81, 20.056, 111.714



70, 20.926, 295.075

Rectangle

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



81, 20.056, 111.714



81, 20.056, 161.714



81, 20.056, 291.714



81, 20.056, 341.714

Sweetspot

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



81, 20.058, 111.719



100, 7.762, 112.776



72, 13.974, 26.171



53, 5.149, 112.721



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 20.058, 111.719



98, 28.346, 111.407



80, 21.767, 130.551



43, 6.122, 112.499



65, 70.514, 107.665



14, 21.988, 110.010

Inverse Universe

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



70, 20.926, 295.075



82, 29.841, 295.492



71, 22.241, 312.173



39, 6.257, 294.126



19, 96.502, 306.559



1, 23.585, 294.488

Previews

White Background



This preview shows how the CIELCh color 81, 20.056, 111.714 looks on a white background.

Color Contrast Check

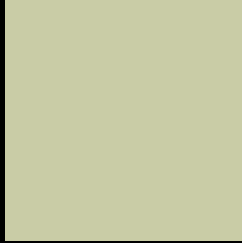
Large Text (above 18pt) WCAG AA × Fail

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 81, 20.056, 111.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

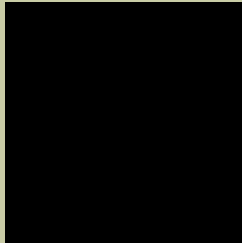
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

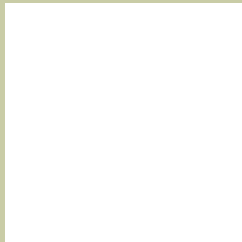
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 20.056, 111.714

Background



This preview shows how black text looks on a background with the CIELCh color 81, 20.056, 111.714.



This preview shows how white text looks on a background with the CIELCh color 81, 20.056, 111.714.

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


81, 20.056, 111.714

Protanopia

81, 20.097, 94.803

Deuteranopia

81, 20.530, 60.043



Tritanopia
81, 8.792, 314.939

Trichromacy



Original Color
81, 20.056, 111.714

Protanomaly
81, 19.704, 100.410

Deuteranomaly
81, 18.552, 78.023

Tritanomaly
81, 3.052, 63.256

Monochromacy



Original Color
81, 20.056, 111.714

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 7.426, 112.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 20.056, 111.714 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(201, 204, 166)` looks like.

```
.text, #text, p{  
    color:rgb(201, 204, 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(201, 204, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 204, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 20.056, 111.714 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(201, 204, 166) }
```

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

```
.border{ border-color:rgb(201, 204, 166) }
```

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

Here you see how a box with a 4 pixel rgb(201, 204, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 204, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 204, 166);  
box-shadow:4px 4px 4px 4px rgb(201, 204,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 20.056, 111.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 204, 166) }
```

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

```
.background{ background-color: rgb(201,  
204, 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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