

Converting Colors

CIELCh(81, 20.904, 118.985)

Have a look what the booklet for
CIELCh(81, 20.904, 118.985)
contains.

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Color

CIELCh(81, 20.904, 118.985)

Conversions

Conversions Part 1

Format	Color
Hex	C4CEA7
RGB	196, 206, 167
RGB Percent	77%, 81%, 65%
CMY	0.2326, 0.1933, 0.3462
CMYK	0.05, 0.00, 0.19, 0.19
HSL	75°, 28%, 73%
HSV	75°, 19%, 81%
XYZ	51.6327, 58.4711, 44.9823
YIQ	198.5640, 6.5590, -14.2490

Conversions

Conversions Part 2

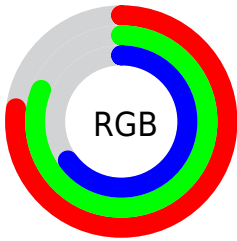
Format	Color
RYB	167, 206, 177
Decimal	12897959
CIELab	81.00, -10.13, 18.29
CIElCh	81, 20.904, 118.985
Yxy	58.4711, 0.3329, 0.3770
Android (android.graphics.Color)	4291088039 (0xFFC4CEA7)
YUV	198.5640, -15.5611, -2.2486
Hunter-Lab	76.4664, -13.2869, 18.6484

Details

The CIELCh color **81, 20.904, 118.985** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 21.723, 301.456**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 16.715, 111.425**, and **61, 20.988, 119.237** is the 20% darker color. If you saturate the color by 10%, you get **80, 31.797, 118.360**, and if you desaturate by 10%, it is **82, 9.892, 119.616**.

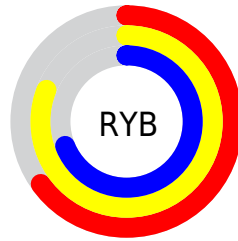
Distribution



Red (77%)

Green (81%)

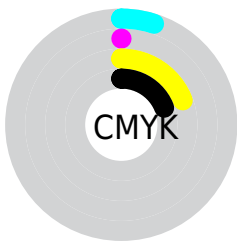
Blue (65%)



Red (65%)

Yellow (81%)

Blue (69%)

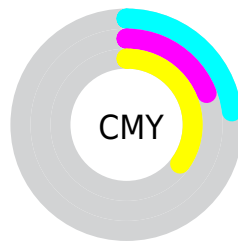


Cyan (5%)

Magenta (0%)

Yellow (19%)

Black (19%)



Cyan (23%)


Magenta (19%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 20.904, 118.985 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, 20.904, 118.985 by changing the saturation by 10% instead.


 81, 20.904,
118.985


 81, 20.904,
118.985


 100, 20.904,
118.985


 71, 20.904,
118.985

 61, 20.904,
118.985

 51, 20.904,
118.985

 41, 20.904,
118.985

 31, 20.904,
118.985

 21, 20.904,
118.985

 11, 20.904,

118.985

■ 1, 20.904, 118.985

■ 0, 20.904, 118.985

■ 81, 20.904,
118.985

■ 81, 20.904,
118.985

■ 80, 31.797,
118.360

■ 82, 9.892, 119.616

■ 80, 42.448,
117.752

■ 83, 1.165, 300.192

■ 79, 52.684,
117.200

■ 84, 12.211,
300.799

■ 78, 62.244,
116.757

■ 85, 23.206,
301.350

■ 78, 70.753,

■ 85, 26.636,
304.180

116.495

86, 27.056,
307.905

77, 77.731,
116.513

86, 27.583,
311.541

77, 82.701,
116.912

87, 28.215,
315.065

77, 85.613,
117.717

87, 28.946,
318.455

77, 85.878,
117.806

Harmonies

Complementary

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



81, 20.904, 118.985



70, 21.723, 301.456

Rectangle

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



81, 20.904, 118.985



81, 20.904, 168.985



81, 20.904, 298.985



81, 20.904, 348.985

Sweetspot

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



81, 20.906, 118.988



99, 7.888, 119.795



74, 12.644, 44.640



53, 5.233, 119.754



0, 0.000, 0.000



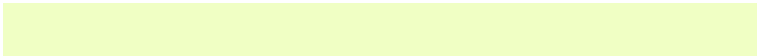
53, 0.007, 296.813

Same Dimension

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



81, 20.906, 118.988



98, 30.152, 118.715



80, 23.493, 136.413



43, 6.223, 119.589



63, 73.061, 117.605



14, 22.703, 119.732

Inverse Universe

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



70, 21.723, 301.456



82, 31.627, 301.802



72, 23.767, 318.102



40, 6.346, 300.756



21, 94.639, 307.872



2, 23.808, 299.025

Previews

White Background



This preview shows how the CIELCh color 81, 20.904, 118.985 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 81, 20.904, 118.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

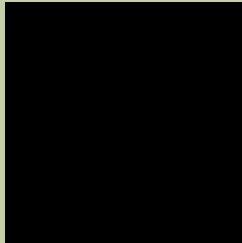
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

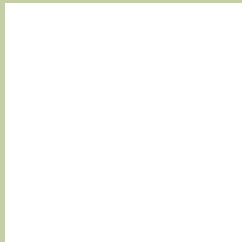
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 20.904, 118.985

Background



This preview shows how black text looks on a background with the CIELCh color 81, 20.904, 118.985.

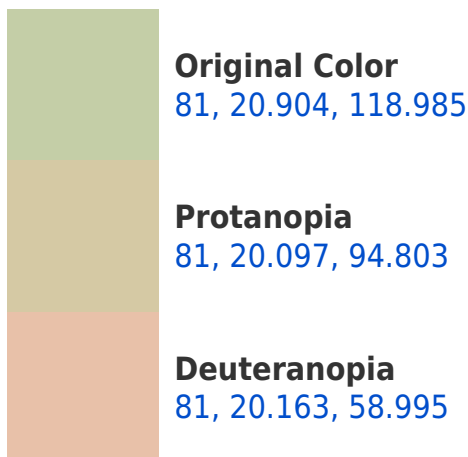


This preview shows how white text looks on a background with the CIELCh color 81, 20.904, 118.985.

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](#).

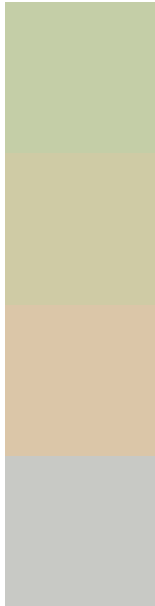
Dichromacy





Tritanopia
81, 8.653, 300.383

Trichromacy



Original Color
81, 20.904, 118.985

Protanomaly
81, 20.082, 103.905

Deuteranomaly
81, 17.936, 81.301

Tritanomaly
81, 2.149, 119.802

Monochromacy



Original Color
81, 20.904, 118.985

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.580, 120.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 20.904, 118.985 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(196, 206, 167)` looks like.

```
.text, #text, p{  
    color:rgb(196, 206, 167)  
}
```

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(196, 206, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 206, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 20.904, 118.985 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(196, 206, 167) }
```

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

```
.border{ border-color:rgb(196, 206, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 206, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 206, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 206, 167); box-shadow:4px 4px 4px 4px rgb(196, 206, 167) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 20.904, 118.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 206, 167) }
```

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

```
.background{ background-color: rgb(196,  
206, 167) }
```

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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