

Converting Colors

CIELCh(80, 21.766, 114.398)

Have a look what the booklet for
CIELCh(80, 21.766, 114.398)
contains.

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Color

CIELCh(80, 21.766, 114.398)

Conversions

Conversions Part 1

Format	Color
Hex	C4CAA1
RGB	196, 202, 161
RGB Percent	77%, 79%, 63%
CMY	0.2306, 0.2070, 0.3678
CMYK	0.03, 0.00, 0.20, 0.21
HSL	69°, 28%, 71%
HSV	69°, 20%, 79%
XYZ	50.4379, 56.6813, 42.0924
YIQ	195.5320, 9.5850, -14.0230

Conversions

Conversions Part 2

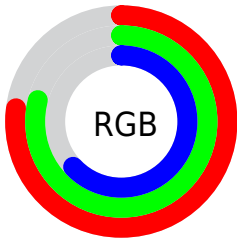
Format	Color
RYB	161, 202, 167
Decimal	12896929
CIELab	80.00, -8.99, 19.82
CIELCh	80, 21.766, 114.398
Yxy	56.6813, 0.3380, 0.3799
Android (android.graphics.Color)	4291087009 (0xFFC4CAA1)
YUV	195.5320, -17.0243, 0.4104
Hunter-Lab	75.2870, -12.1676, 19.5523

Details

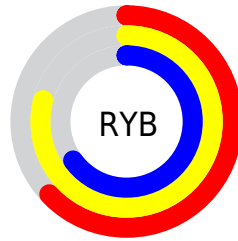
The CIELCh color **80, 21.766, 114.398** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **68, 22.771, 297.653**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 19.734, 110.829**, and **60, 21.889, 114.303** is the 20% darker color. If you saturate the color by 10%, you get **79, 32.324, 113.649**, and if you desaturate by 10%, it is **81, 11.064, 115.156**.

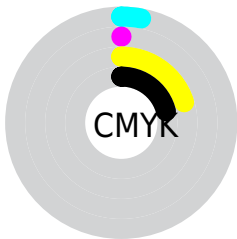
Distribution



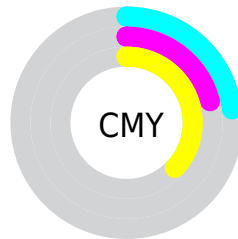
- Red (77%)
- Green (79%)
- Blue (63%)



- Red (63%)
- Yellow (79%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (21%)





- Cyan (23%)
- Magenta (21%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.766, 114.398 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, 21.766, 114.398 by changing the saturation by 10% instead.


 80, 21.766,
114.398


 80, 21.766,
114.398


 100, 21.766,
114.398


 70, 21.766,
114.398

 60, 21.766,
114.398

 50, 21.766,
114.398

 40, 21.766,
114.398

 30, 21.766,
114.398

 20, 21.766,
114.398

 10, 21.766,

114.398

■ 0, 21.766, 114.398

■ 80, 21.766,
114.398

■ 80, 21.766,
114.398

■ 79, 32.324,
113.649

■ 81, 11.064,
115.156

■ 79, 42.611,
112.921

■ 81, 0.293, 115.869

■ 78, 52.447,
112.250

■ 82, 10.491,
296.617

■ 78, 61.556,
111.683

■ 83, 21.251,
297.302

■ 78, 69.546,
111.282

■ 84, 28.133,
298.440

■ 84, 28.256,

■ 77, 75.928,
111.124

300.423

■ 77, 80.244,
111.287

■ 84, 28.411,
302.400

■ 77, 82.579,
111.739

■ 84, 28.598,
304.366

■ 85, 28.817,
306.317

Harmonies

Complementary

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



80, 21.766, 114.398



68, 22.771, 297.653

Rectangle

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



80, 21.766, 114.398



80, 21.766, 164.398



80, 21.766, 294.398



80, 21.766, 344.398

Sweetspot

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



80, 21.768, 114.402



99, 7.796, 115.470



71, 14.384, 32.395



53, 5.171, 115.420



0, 0.000, 0.000



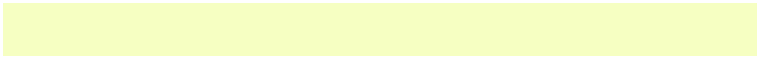
53, 0.007, 296.813

Same Dimension

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



80, 21.768, 114.402



98, 31.038, 114.096



79, 23.961, 132.695



43, 6.149, 115.222



64, 71.210, 111.619



14, 22.176, 113.842

Inverse Universe

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



68, 22.771, 297.653



81, 32.790, 298.065



70, 24.427, 314.443



39, 6.281, 296.658



20, 95.974, 306.909



2, 23.652, 296.220

Previews

White Background



This preview shows how the CIELCh color 80, 21.766, 114.398 looks on a white background.

Color Contrast Check

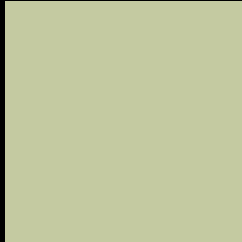
Large Text (above 18pt) WCAG AA × Fail

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, 21.766, 114.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

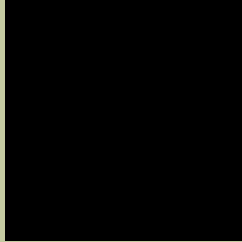
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

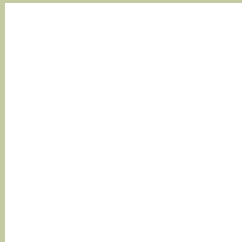
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 21.766, 114.398

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.766, 114.398.



This preview shows how white text looks on a background with the CIELCh color 80, 21.766, 114.398.

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, 21.766, 114.398

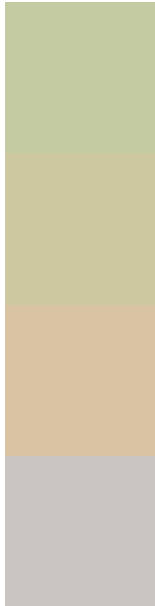
Protanopia
80, 21.181, 95.298

Deuteranopia
80, 21.031, 62.731



Tritanopia
80, 9.046, 309.391

Trichromacy



Original Color
80, 21.766, 114.398

Protanomaly
80, 21.214, 102.922

Deuteranomaly
80, 19.136, 81.494

Tritanomaly
80, 2.863, 87.060

Monochromacy



Original Color
80, 21.766, 114.398

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 8.008, 114.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.766, 114.398 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, 202, 161)` looks like.

```
.text, #text, p{  
    color:rgb(196, 202, 161)  
}
```

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, 202, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 202, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.766, 114.398 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, 202, 161) }
```

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

```
.border{ border-color:rgb(196, 202, 161) }
```

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

Here you see how a box with a 4 pixel rgb(196, 202, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 202, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 202, 161);  
box-shadow:4px 4px 4px 4px rgb(196, 202,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.766, 114.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 202, 161) }
```

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

```
.background{ background-color: rgb(196,  
202, 161) }
```

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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