

Converting Colors

CIELCh(80, 17.540, 114.156)

Have a look what the booklet for
CIELCh(80, 17.540, 114.156)
contains.

CIELCh(80, 17.524, 113.656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 17.524, 113.656)

Conversions

Conversions Part 1

Format	Color
Hex	C5C9A8
RGB	197, 201, 168
RGB Percent	77%, 79%, 66%
CMY	0.2262, 0.2105, 0.3399
CMYK	0.02, 0.00, 0.16, 0.21
HSL	67°, 24%, 72%
HSV	67°, 16%, 79%
XYZ	51.1739, 56.6813, 45.4460
YIQ	196.0420, 8.2090, -11.1110

Conversions

Conversions Part 2

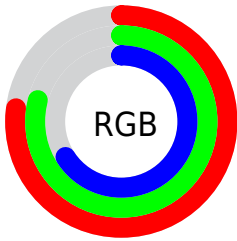
Format	Color
RYB	168, 201, 172
Decimal	12962216
CIELab	80.00, -7.03, 16.05
CIELCh	80, 17.524, 113.656
Yxy	56.6813, 0.3338, 0.3697
Android (android.graphics.Color)	4291152296 (0xFFC5C9A8)
YUV	196.0420, -13.8247, 0.8402
Hunter-Lab	75.2870, -10.4226, 16.9113

Details

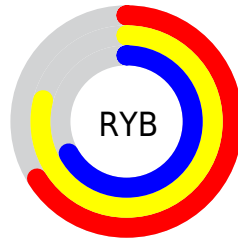
The CIELCh color **80, 17.524, 113.656** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 18.178, 296.366**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 16.195, 110.248**, and **60, 17.426, 113.653** is the 20% darker color. If you saturate the color by 10%, you get **79, 28.089, 112.872**, and if you desaturate by 10%, it is **81, 6.848, 114.444**.

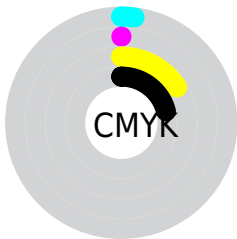
Distribution



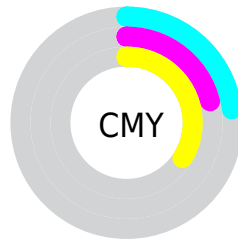
- Red (77%)
- Green (79%)
- Blue (66%)



- Red (66%)
- Yellow (79%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)




- Cyan (23%)
- Magenta (21%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 17.524, 113.656 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, 17.524, 113.656 by changing the saturation by 10% instead.


 80, 17.524,
113.656


 80, 17.524,
113.656


 100, 17.524,
113.656


 70, 17.524,
113.656


 60, 17.524,
113.656

 50, 17.524,
113.656

 40, 17.524,
113.656

 30, 17.524,
113.656

 20, 17.524,
113.656

 10, 17.524,

113.656

■ 0, 17.524, 113.656

■ 80, 17.524,
113.656

■ 80, 17.524,
113.656

■ 79, 28.089,
112.872

■ 81, 6.848, 114.444

■ 79, 38.437,
112.098

■ 81, 3.876, 295.218

■ 78, 48.412,
111.366

■ 82, 14.600,
295.955

■ 78, 57.780,
110.716

■ 83, 25.290,
296.661

■ 78, 66.194,
110.199

■ 83, 28.594,
297.986

■ 84, 28.686,
299.593

■ 77, 73.197,
109.883

■ 84, 28.799,
301.197

■ 77, 78.292,
109.841

■ 84, 28.934,
302.797

■ 77, 81.193,
110.123

■ 84, 29.090,
304.389

■ 77, 81.952,
110.264

Harmonies

Complementary

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



80, 17.524, 113.656



70, 18.178, 296.366

Rectangle

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



80, 17.524, 113.656



80, 17.524, 163.656



80, 17.524, 293.656



80, 17.524, 343.656

Sweetspot

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



80, 17.526, 113.661



100, 6.483, 114.546



73, 11.553, 30.645



53, 4.424, 114.491



0, 0.000, 0.000



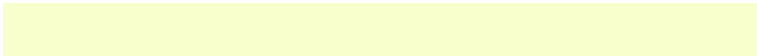
53, 0.007, 296.813

Same Dimension

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



80, 17.526, 113.661



98, 25.860, 113.354



79, 19.206, 132.334



42, 6.010, 114.212



63, 70.100, 110.157



13, 20.480, 113.152

Inverse Universe

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



70, 18.178, 296.366



84, 27.068, 296.759



72, 19.525, 313.724



38, 6.141, 295.712



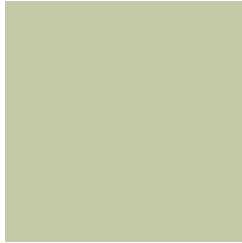
19, 95.096, 306.765



1, 21.582, 294.943

Previews

White Background



This preview shows how the CIELCh color 80, 17.524, 113.656 looks on a white background.

Color Contrast Check

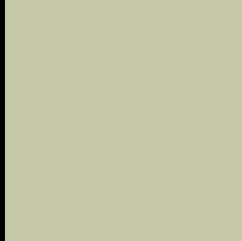
Large Text (above 18pt) WCAG AA × Fail

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 80, 17.524, 113.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

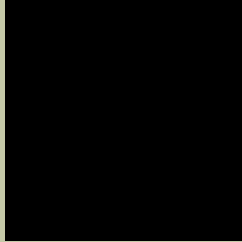
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

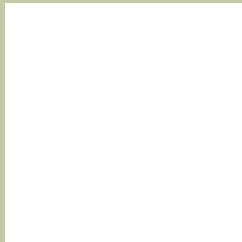
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 17.524, 113.656

Background



This preview shows how black text looks on a background with the CIELCh color 80, 17.524, 113.656.



This preview shows how white text looks on a background with the CIELCh color 80, 17.524, 113.656.

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, 17.524, 113.656

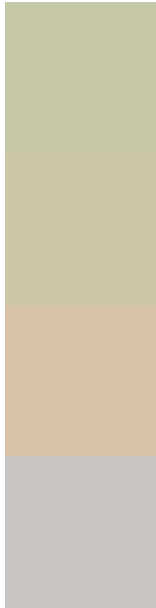
Protanopia
80, 16.974, 93.986

Deuteranopia
80, 18.176, 57.757



Tritanopia
80, 9.046, 309.391

Trichromacy



Original Color
80, 17.524, 113.656

Protanomaly
80, 17.093, 100.765

Deuteranomaly
80, 16.107, 78.146

Tritanomaly
80, 1.806, 55.192

Monochromacy



Original Color
80, 17.524, 113.656

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 6.424, 116.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 17.524, 113.656 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(197, 201, 168)` looks like.

```
.text, #text, p{  
    color:rgb(197, 201, 168)  
}
```

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(197, 201, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 201, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 17.524, 113.656 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(197, 201, 168) }
```

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

```
.border{ border-color:rgb(197, 201, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 201, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 201, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 201, 168);  
box-shadow:4px 4px 4px 4px rgb(197, 201,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 17.524, 113.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 201, 168) }
```

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

```
.background{ background-color: rgb(197,  
201, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor