

Converting Colors

CIELCh(80, 20.615, 121.133)

Have a look what the booklet for
CIELCh(80, 20.615, 121.133)
contains.

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Color

CIELCh(80, 20.617, 121.346)

Conversions

Conversions Part 1

Format	Color
Hex	BFCBA5
RGB	191, 203, 165
RGB Percent	75%, 80%, 65%
CMY	0.2499, 0.2028, 0.3519
CMYK	0.06, 0.00, 0.19, 0.20
HSL	79°, 27%, 72%
HSV	79°, 19%, 80%
XYZ	49.7924, 56.6813, 44.0411
YIQ	195.0800, 5.0460, -14.3620

Conversions

Conversions Part 2

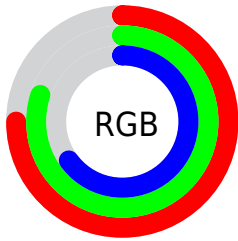
Format	Color
RYB	165, 203, 177
Decimal	12569509
CIELab	80.00, -10.73, 17.61
CIELCh	80, 20.617, 121.346
Yxy	56.6813, 0.3308, 0.3766
Android (android.graphics.Color)	4290759589 (0xFFBFCBA5)
YUV	195.0800, -14.8294, -3.5782
Hunter-Lab	75.2870, -13.6979, 18.0176

Details

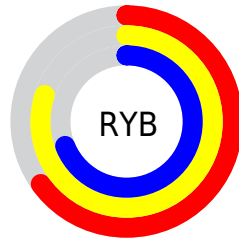
The CIELCh color **80, 20.617, 121.346** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 21.357, 303.539**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 17.914, 117.053**, and **60, 20.717, 121.754** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.529, 120.774**, and if you desaturate by 10%, it is **81, 9.601, 121.921**.

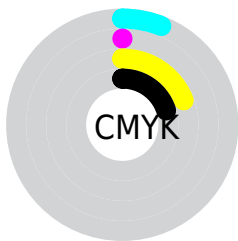
Distribution



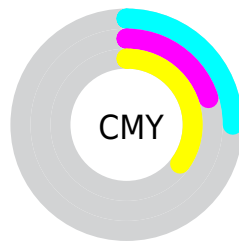
- Red (75%)
- Green (80%)
- Blue (65%)



- Red (65%)
- Yellow (80%)
- Blue (69%)



- Cyan (6%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (25%)
- Magenta (20%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 20.617, 121.346 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, 20.617, 121.346 by changing the saturation by 10% instead.


 80, 20.617,
121.346


 80, 20.617,
121.346


 100, 20.617,
121.346


 70, 20.617,
121.346

 60, 20.617,
121.346

 50, 20.617,
121.346

 40, 20.617,
121.346

 30, 20.617,
121.346

 20, 20.617,
121.346

 10, 20.617,

121.346

■ 0, 20.617, 121.346

■ 80, 20.617,
121.346

■ 80, 20.617,
121.346

■ 79, 31.529,
120.774

■ 81, 9.601, 121.921

■ 78, 42.215,
120.218

■ 82, 1.446, 302.427

■ 78, 52.506,
119.715

■ 83, 12.466,
302.983

■ 77, 62.149,
119.321

■ 84, 23.421,
303.474

■ 76, 70.778,
119.114

■ 85, 28.203,
306.206

■ 85, 28.787,
310.457

■ 76, 77.926,
119.198

■ 86, 29.519,
314.570

■ 75, 83.120,
119.685

■ 87, 30.391,
318.514

■ 75, 86.281,
120.606

■ 87, 31.395,
322.266

■ 75, 86.641,
120.732

Harmonies

Complementary

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



80, 20.617, 121.346



70, 21.357, 303.539

Rectangle

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



80, 20.617, 121.346



80, 20.617, 171.346



80, 20.617, 301.346



80, 20.617, 351.346

Sweetspot

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



80, 20.619, 121.349



99, 7.956, 122.070



74, 12.152, 50.351



53, 5.278, 122.032



0, 0.000, 0.000



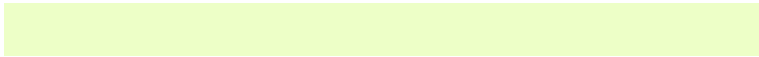
53, 0.007, 296.813

Same Dimension

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



80, 20.619, 121.349



98, 29.129, 121.142



79, 23.307, 137.902



43, 6.278, 121.882



62, 74.341, 120.515



13, 23.081, 122.659

Inverse Universe

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



70, 21.357, 303.539



83, 30.389, 303.791



72, 23.516, 319.631



40, 6.394, 302.932



22, 93.712, 308.614



2, 23.922, 300.599

Previews

White Background



This preview shows how the CIELCh color 80, 20.617, 121.346 looks on a white background.

Color Contrast Check

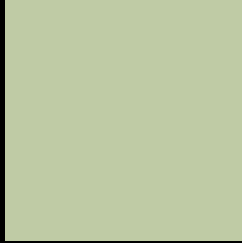
Large Text (above 18pt) WCAG AA × Fail

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, 20.617, 121.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

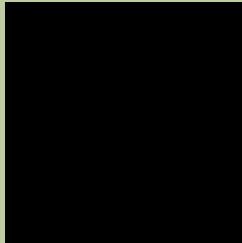
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

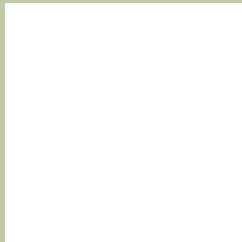
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 20.617, 121.346

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.617, 121.346.

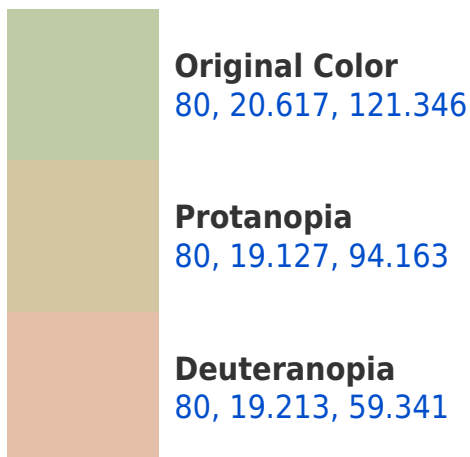


This preview shows how white text looks on a background with the CIELCh color 80, 20.617, 121.346.

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](#).

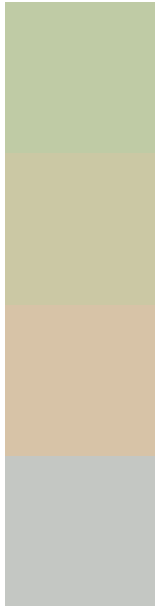
Dichromacy





Tritanopia
80, 8.014, 293.439

Trichromacy



Original Color
80, 20.617, 121.346

Protanomaly
80, 19.062, 104.917

Deuteranomaly
80, 16.849, 80.973

Tritanomaly
80, 2.400, 137.291

Monochromacy



Original Color
80, 20.617, 121.346

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 7.602, 120.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.617, 121.346 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(191, 203, 165)` looks like.

```
.text, #text, p{  
    color:rgb(191, 203, 165)  
}
```

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(191, 203, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 203, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.617, 121.346 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(191, 203, 165) }
```

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

```
.border{ border-color:rgb(191, 203, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 203, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 203, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 203, 165);  
box-shadow:4px 4px 4px 4px rgb(191, 203,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.617, 121.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 203, 165) }
```

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

```
.background{ background-color: rgb(191,  
203, 165) }
```

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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