

Converting Colors

CIELCh(78, 20.856, 118.013)

Have a look what the booklet for
CIELCh(78, 20.856, 118.013)
contains.

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Color

CIELCh(78, 21.000, 117.901)

Conversions

Conversions Part 1

Format	Color
Hex	BCC59E
RGB	188, 197, 158
RGB Percent	74%, 77%, 62%
CMY	0.2620, 0.2267, 0.3797
CMYK	0.05, 0.00, 0.20, 0.23
HSL	74°, 25%, 70%
HSV	74°, 20%, 77%
XYZ	46.9850, 53.2120, 40.2270
YIQ	189.8630, 7.1550, -14.0370

Conversions

Conversions Part 2

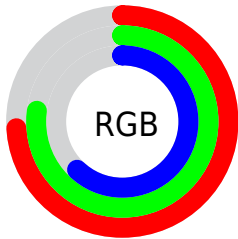
Format	Color
RYB	158, 197, 167
Decimal	12371358
CIELab	78.00, -9.83, 18.56
CIELCh	78, 21.000, 117.901
Yxy	53.2120, 0.3346, 0.3789
Android (android.graphics.Color)	4290561438 (0xFFBCC59E)
YUV	189.8630, -15.7085, -1.6339
Hunter-Lab	72.9466, -12.6844, 18.3667

Details

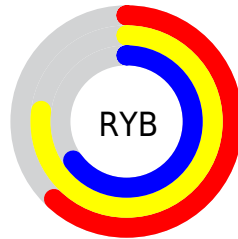
The CIELCh color **78, 21.000, 117.901** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 21.881, 300.605**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 21.103, 118.650**, and **58, 21.126, 118.055** is the 20% darker color. If you saturate the color by 10%, you get **77, 31.468, 117.252**, and if you desaturate by 10%, it is **79, 10.406, 118.557**.

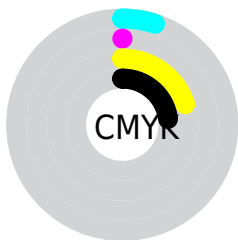
Distribution



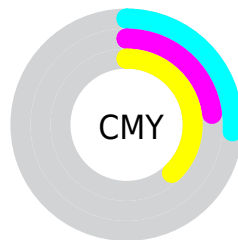
- Red (74%)
- Green (77%)
- Blue (62%)



- Red (62%)
- Yellow (77%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)





- Cyan (26%)
- Magenta (23%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 21.000, 117.901 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 78, 21.000, 117.901 by changing the saturation by 10% instead.


 78, 21.000,
117.901


 78, 21.000,
117.901


 100, 21.000,
117.901


 68, 21.000,
117.901


 98, 21.000,
117.901

 58, 21.000,
117.901

 48, 21.000,
117.901

 38, 21.000,
117.901

 28, 21.000,
117.901

 18, 21.000,
117.901

 8, 21.000, 117.901

0, 21.000, 117.901

78, 21.000,
117.901

78, 21.000,
117.901

77, 31.468,
117.252

79, 10.406,
118.557

77, 41.690,
116.623

80, 0.242, 299.097

76, 51.492,
116.051

81, 10.887,
299.799

76, 60.618,
115.590

81, 21.492,
300.380

75, 68.696,
115.311

82, 31.096,
301.127

75, 75.259,
115.307

83, 31.350,
303.871

■ 74, 79.854,
115.674

■ 83, 31.671,
306.594

■ 74, 82.558,
116.407

■ 84, 32.059,
309.282

■ 74, 82.611,
116.424

■ 84, 32.513,
311.925

Harmonies

Complementary

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



78, 21.000, 117.901



67, 21.881, 300.605

Rectangle

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



78, 21.000, 117.901



78, 21.000, 167.901



78, 21.000, 297.901



78, 21.000, 347.901

Sweetspot

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



78, 21.002, 117.905



99, 7.862, 118.796



71, 12.991, 40.952



53, 5.216, 118.753



0, 0.000, 0.000



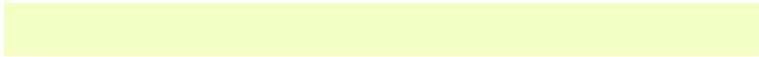
53, 0.007, 296.813

Same Dimension

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



78, 21.002, 117.905



98, 31.335, 117.604



77, 23.457, 135.360



42, 6.075, 118.583



62, 71.731, 116.256



12, 20.941, 119.225

Inverse Universe

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



67, 21.881, 300.605



81, 32.987, 300.994



69, 23.785, 317.091



39, 6.197, 299.804



20, 93.907, 307.610



2, 21.705, 297.804

Previews

White Background



This preview shows how the CIELCh color 78, 21.000, 117.901 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 78, 21.000, 117.901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

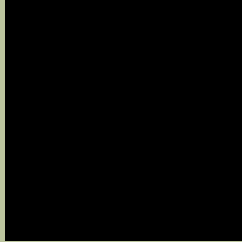
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 21.000, 117.901

Background



This preview shows how black text looks on a background with the CIELCh color 78, 21.000, 117.901.



This preview shows how white text looks on a background with the CIELCh color 78, 21.000, 117.901.

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
78, 21.000, 117.901

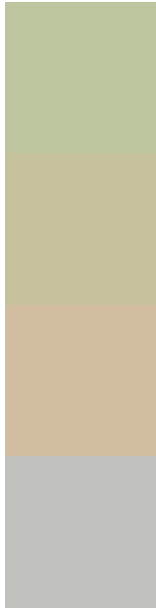
Protanopia
78, 19.753, 94.395

Deuteranopia
78, 19.725, 60.376



Tritanopia
78, 8.191, 300.989

Trichromacy



Original Color
78, 21.000, 117.901

Protanomaly
78, 19.721, 103.751

Deuteranomaly
78, 17.627, 80.467

Tritanomaly
78, 2.129, 109.953

Monochromacy



Original Color
78, 21.000, 117.901

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 8.162, 120.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 21.000, 117.901 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(188, 197, 158)` looks like.

```
.text, #text, p{  
    color:rgb(188, 197, 158)  
}
```

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(188, 197, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 197, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 21.000, 117.901 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(188, 197, 158) }
```

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

```
.border{ border-color:rgb(188, 197, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 197, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 197, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 197, 158);  
box-shadow:4px 4px 4px 4px rgb(188, 197,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 21.000, 117.901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 197, 158) }
```

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

```
.background{ background-color: rgb(188,  
197, 158) }
```

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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