

Converting Colors

CIELCh(78, 22.240, 119.377)

Have a look what the booklet for
CIELCh(78, 22.240, 119.377)
contains.

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Color

CIELCh(78, 22.166, 119.353)

Conversions

Conversions Part 1

Format	Color
Hex	BBC69D
RGB	187, 198, 157
RGB Percent	73%, 78%, 62%
CMY	0.2678, 0.2246, 0.3854
CMYK	0.06, 0.00, 0.21, 0.22
HSL	76°, 26%, 69%
HSV	76°, 21%, 78%
XYZ	46.6156, 53.2120, 39.5901
YIQ	190.0370, 6.6050, -15.0830

Conversions

Conversions Part 2

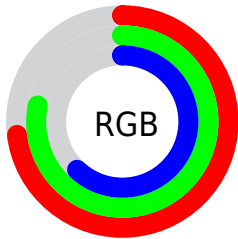
Format	Color
RYB	157, 198, 168
Decimal	12306077
CIELab	78.00, -10.87, 19.32
CIElCh	78, 22.166, 119.353
Yxy	53.2120, 0.3344, 0.3817
Android (android.graphics.Color)	4290496157 (0xFFBBC69D)
YUV	190.0370, -16.2872, -2.6634
Hunter-Lab	72.9466, -13.5882, 18.8843

Details

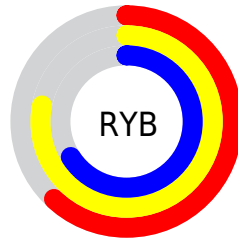
The CIELCh color **78, 22.166, 119.353** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **67, 23.107, 302.011**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 22.225, 120.001**, and **58, 21.728, 118.833** is the 20% darker color. If you saturate the color by 10%, you get **77, 32.705, 118.742**, and if you desaturate by 10%, it is **79, 11.497, 119.971**.

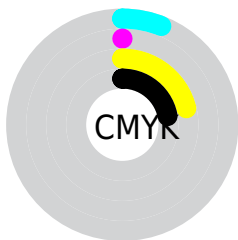
Distribution



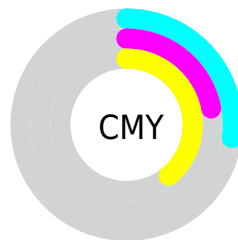
- Red (73%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (66%)



- Cyan (6%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (27%)
- Magenta (22%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 22.166, 119.353 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, 22.166, 119.353 by changing the saturation by 10% instead.


 78, 22.166,
119.353


 78, 22.166,
119.353


 100, 22.166,
119.353


 68, 22.166,
119.353


 98, 22.166,
119.353

 58, 22.166,
119.353

 48, 22.166,
119.353

 38, 22.166,
119.353

 28, 22.166,
119.353

 18, 22.166,
119.353

 8, 22.166, 119.353

78, 22.166,
119.353

78, 22.166,
119.353

77, 32.705,
118.742

79, 11.497,
119.971

77, 42.989,
118.154

80, 0.776, 120.613

76, 52.838,
117.629

81, 9.941, 301.135

75, 61.985,
117.222

82, 20.612,
301.679

75, 70.051,
117.014

83, 30.902,
302.269

74, 76.563,
117.103

83, 31.239,
305.489

84, 31.669,

■ 74, 81.083,
117.593

308.668

■ 74, 83.641,
118.379

■ 84, 32.189,
311.787

■ 85, 32.798,
314.830

Harmonies

Complementary

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



78, 22.166, 119.353



67, 23.107, 302.011

Rectangle

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



78, 22.166, 119.353



78, 22.166, 169.353



78, 22.166, 299.353



78, 22.166, 349.353

Sweetspot

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



78, 22.168, 119.356



99, 7.901, 120.254



71, 13.399, 46.455



53, 5.241, 120.214



0, 0.000, 0.000



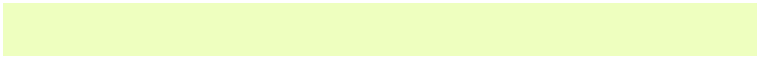
53, 0.007, 296.813

Same Dimension

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



78, 22.168, 119.356



97, 32.804, 119.070



77, 25.015, 136.817



42, 6.105, 120.053



62, 72.465, 118.190



12, 21.153, 121.180

Inverse Universe

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



67, 23.107, 302.011



81, 34.542, 302.381



69, 25.307, 318.696



39, 6.223, 301.192



21, 93.377, 308.018



2, 21.760, 298.778

Previews

White Background



This preview shows how the CIELCh color 78, 22.166, 119.353 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 78, 22.166, 119.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

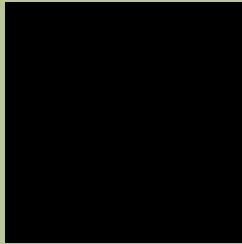
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

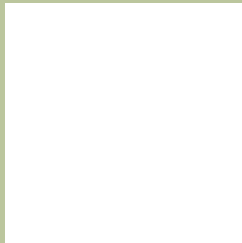
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 22.166, 119.353

Background



This preview shows how black text looks on a background with the CIELCh color 78, 22.166, 119.353.



This preview shows how white text looks on a background with the CIELCh color 78, 22.166, 119.353.

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, 22.166, 119.353

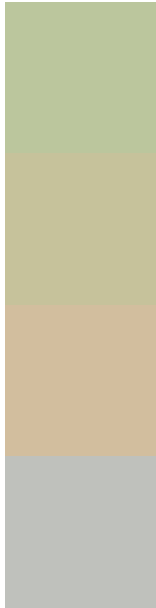
Protanopia
78, 20.884, 93.884

Deuteranopia
78, 20.796, 61.689



Tritanopia
78, 8.132, 298.502

Trichromacy



Original Color
78, 22.166, 119.353

Protanomaly
78, 20.773, 103.871

Deuteranomaly
78, 18.872, 83.589

Tritanomaly
78, 2.774, 125.407

Monochromacy



Original Color
78, 22.166, 119.353

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, 22.166, 119.353 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(187, 198, 157)` looks like.

```
.text, #text, p{  
    color:rgb(187, 198, 157)  
}
```

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(187, 198, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 198, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 22.166, 119.353 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(187, 198, 157) }
```

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

```
.border{ border-color:rgb(187, 198, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 198, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 198, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 198, 157);  
box-shadow:4px 4px 4px 4px rgb(187, 198,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 22.166, 119.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 198, 157) }
```

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

```
.background{ background-color: rgb(187,  
198, 157) }
```

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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