

Converting Colors

CIELCh(78, 22.162, 116.705)

Have a look what the booklet for
CIELCh(78, 22.162, 116.705)
contains.

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Color

CIELCh(78, 21.972, 116.379)

Conversions

Conversions Part 1

Format	Color
Hex	BDC59C
RGB	189, 197, 156
RGB Percent	74%, 77%, 61%
CMY	0.2584, 0.2270, 0.3879
CMYK	0.04, 0.00, 0.21, 0.23
HSL	72°, 26%, 69%
HSV	72°, 21%, 77%
XYZ	47.0080, 53.2120, 39.2881
YIQ	189.9340, 8.3930, -14.4470

Conversions

Conversions Part 2

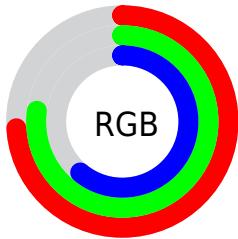
Format	Color
RYB	156, 197, 164
Decimal	12436892
CIELab	78.00, -9.76, 19.68
CIElCh	78, 21.972, 116.379
Yxy	53.2120, 0.3370, 0.3814
Android (android.graphics.Color)	4290626972 (0xFFBDC59C)
YUV	189.9340, -16.7295, -0.8191
Hunter-Lab	72.9466, -12.6281, 19.1297

Details

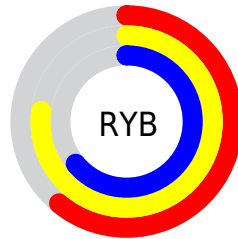
The CIELCh color **78, 21.972, 116.379** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **66, 22.977, 299.429**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 22.031, 117.206**, and **58, 21.595, 116.664** is the 20% darker color. If you saturate the color by 10%, you get **77, 32.363, 115.691**, and if you desaturate by 10%, it is **79, 11.441, 117.076**.

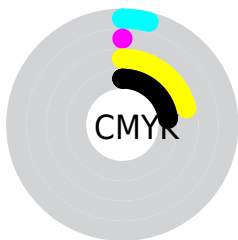
Distribution



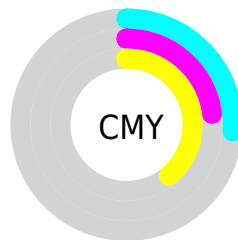
- Red (74%)
- Green (77%)
- Blue (61%)



- Red (61%)
- Yellow (77%)
- Blue (64%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)





- Cyan (26%)
- Magenta (23%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 21.972, 116.379 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, 21.972, 116.379 by changing the saturation by 10% instead.


 78, 21.972,
116.379


 78, 21.972,
116.379


 100, 21.972,
116.379


 68, 21.972,
116.379


 98, 21.972,
116.379

 58, 21.972,
116.379

 48, 21.972,
116.379

 38, 21.972,
116.379

 28, 21.972,
116.379

 18, 21.972,
116.379

 8, 21.972, 116.379

■ 0, 21.972, 116.379

■ 78, 21.972,
116.379

■ 78, 21.972,
116.379

■ 77, 32.363,
115.691

■ 79, 11.441,
117.076

■ 77, 42.488,
115.027

■ 79, 0.844, 117.766

■ 76, 52.167,
114.423

■ 80, 9.762, 298.409

■ 76, 61.130,
113.932

■ 81, 20.337,
299.034

■ 75, 68.993,
113.623

■ 82, 30.853,
299.624

■ 75, 75.279,
113.584

■ 82, 31.216,
301.915

■ 83, 31.442,

■ 75, 79.549,
113.902

304.227

■ 74, 81.850,
114.489

■ 83, 31.716,
306.523

■ 83, 32.038,
308.795

Harmonies

Complementary

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



78, 21.972, 116.379



66, 22.977, 299.429

Rectangle

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



78, 21.972, 116.379



78, 21.972, 166.379



78, 21.972, 296.379



78, 21.972, 346.379

Sweetspot

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



78, 21.974, 116.383



99, 7.831, 117.399



70, 13.983, 37.419



53, 5.195, 117.354



0, 0.000, 0.000



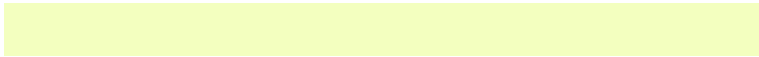
53, 0.007, 296.813

Same Dimension

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



78, 21.974, 116.383



98, 32.478, 116.065



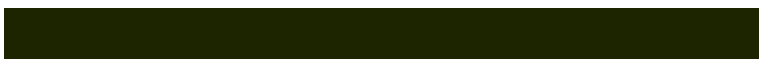
77, 24.422, 134.272



42, 6.050, 117.174



63, 71.111, 114.341



13, 20.764, 117.306

Inverse Universe

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



66, 22.977, 299.429



80, 34.331, 299.854



68, 24.830, 316.078



39, 6.175, 298.479



20, 94.356, 307.280



2, 21.659, 296.877

Previews

White Background



This preview shows how the CIELCh color 78, 21.972, 116.379 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, 21.972, 116.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

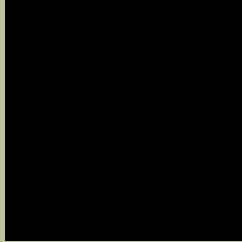
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

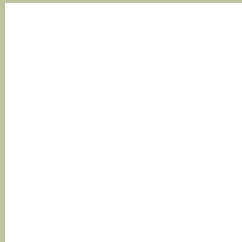
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 21.972, 116.379

Background



This preview shows how black text looks on a background with the CIELCh color 78, 21.972, 116.379.

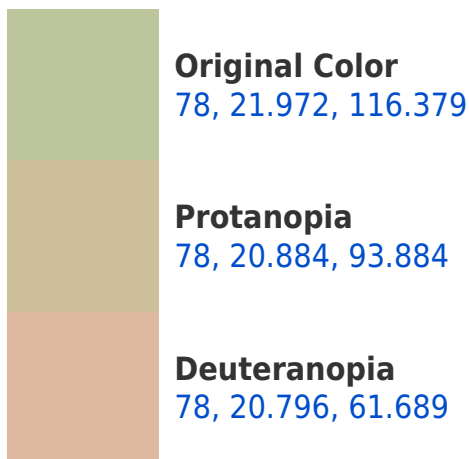



This preview shows how white text looks on a background with the CIELCh color 78, 21.972, 116.379.

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
78, 8.363, 305.856

Trichromacy



Original Color
78, 21.972, 116.379

Protanomaly
78, 20.806, 102.778

Deuteranomaly
78, 18.778, 80.753

Tritanomaly
78, 3.197, 109.864

Monochromacy



Original Color
78, 21.972, 116.379

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 8.096, 117.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 21.972, 116.379 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(189, 197, 156)` looks like.

```
.text, #text, p{  
    color:rgb(189, 197, 156)  
}
```

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(189, 197, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 197, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 21.972, 116.379 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(189, 197, 156) }
```

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

```
.border{ border-color:rgb(189, 197, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 197, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 197, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 197, 156);  
box-shadow:4px 4px 4px 4px rgb(189, 197,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 21.972, 116.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 197, 156) }
```

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

```
.background{ background-color: rgb(189,  
197, 156) }
```

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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