

Converting Colors

CIELCh(78, 31.854, 107.219)

Have a look what the booklet for
CIELCh(78, 31.854, 107.219)
contains.

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Color

CIELCh(78, 31.629, 107.237)

Conversions

Conversions Part 1

Format	Color
Hex	C4C488
RGB	196, 196, 136
RGB Percent	77%, 77%, 53%
CMY	0.2300, 0.2300, 0.4653
CMYK	0.00, 0.00, 0.31, 0.23
HSL	60°, 34%, 65%
HSV	60°, 31%, 77%
XYZ	47.1472, 53.2120, 31.2043
YIQ	189.1600, 19.2600, -18.6600

Conversions

Conversions Part 2

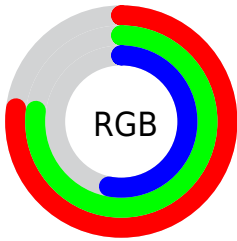
Format	Color
RYB	136, 196, 136
Decimal	12895368
CIELab	78.00, -9.37, 30.21
CIELCh	78, 31.629, 107.237
Yxy	53.2120, 0.3584, 0.4045
Android (android.graphics.Color)	4291085448 (0xFFC4C488)
YUV	189.1600, -26.2079, 5.9987
Hunter-Lab	72.9466, -12.2875, 25.7002

Details

The CIELCh color **78, 31.629, 107.237** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **59, 34.063, 293.937**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 31.761, 107.746**, and **58, 31.647, 107.233** is the 20% darker color. If you saturate the color by 10%, you get **78, 41.590, 106.305**, and if you desaturate by 10%, it is **78, 21.404, 108.200**.

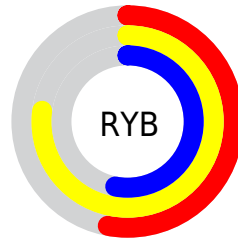
Distribution



Red (77%)

Green (77%)

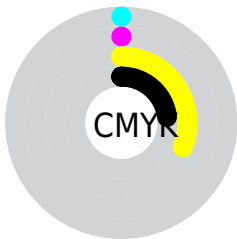
Blue (53%)



Red (53%)

Yellow (77%)

Blue (53%)

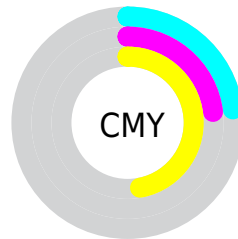


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (23%)



Cyan (23%)


Magenta (23%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 31.629, 107.237 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, 31.629, 107.237 by changing the saturation by 10% instead.


 78, 31.629,
107.237


 78, 31.629,
107.237


 100, 31.629,
107.237


 68, 31.629,
107.237


 98, 31.629,
107.237

 58, 31.629,
107.237

 48, 31.629,
107.237

 38, 31.629,
107.237

 28, 31.629,
107.237

 18, 31.629,
107.237

 8, 31.629, 107.237

0, 31.629, 107.237

78, 31.629,
107.237

78, 31.629,
107.237

78, 41.590,
106.305

78, 21.404,
108.200

77, 51.097,
105.417

79, 11.030,
109.163

77, 59.874,
104.608

79, 0.584, 110.016

77, 67.527,
103.914

80, 9.883, 291.066

77, 73.571,
103.377

80, 20.337,
291.969

77, 77.565,
103.028

81, 30.755,
292.838

81, 31.202,

■ 77, 79.607,
102.852

292.875

■ 81, 31.202,
292.875

■ 81, 31.202,
292.875

Harmonies

Complementary

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



78, 31.629, 107.237



59, 34.063, 293.937

Rectangle

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



78, 31.629, 107.237



78, 31.629, 157.237



78, 31.629, 287.237



78, 31.629, 337.237

Sweetspot

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



78, 31.631, 107.241



99, 11.616, 109.299



63, 24.697, 20.695



53, 8.070, 109.158



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, 31.631, 107.241



98, 47.049, 106.581



76, 33.827, 127.055



42, 5.982, 109.275



65, 69.399, 102.852



13, 20.289, 105.977

Inverse Universe

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



59, 34.063, 293.937



70, 51.745, 295.089



61, 35.358, 309.999



38, 6.114, 291.145



19, 95.828, 306.287



1, 21.510, 291.746

Previews

White Background



This preview shows how the CIELCh color 78, 31.629, 107.237 looks on a white background.

Color Contrast Check

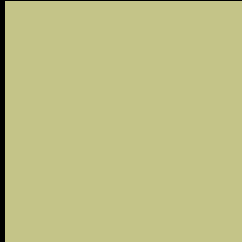
Large Text (above 18pt) WCAG AA × Fail

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, 31.629, 107.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

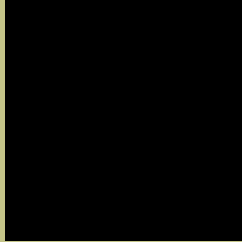
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

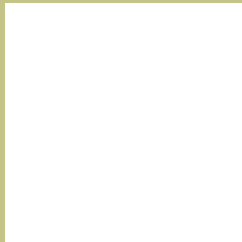
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 31.629, 107.237

Background



This preview shows how black text looks on a background with the CIELCh color 78, 31.629, 107.237.



This preview shows how white text looks on a background with the CIELCh color 78, 31.629, 107.237.

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, 31.629, 107.237

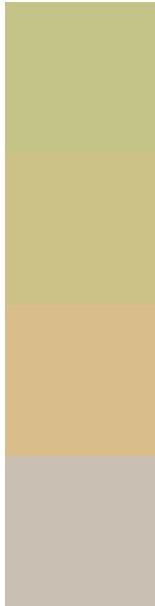
Protanopia
78, 31.317, 95.932

Deuteranopia
78, 30.910, 71.622



Tritanopia
78, 9.979, 326.578

Trichromacy



Original Color
78, 31.629, 107.237

Protanomaly
78, 31.443, 99.765

Deuteranomaly
78, 29.602, 84.625

Tritanomaly
78, 7.439, 78.762

Monochromacy



Original Color
78, 31.629, 107.237

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 11.742, 109.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 31.629, 107.237 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(196, 196, 136)` looks like.

```
.text, #text, p{  
    color:rgb(196, 196, 136)  
}
```

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(196, 196, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 196, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 31.629, 107.237 is called "border". The border property can be set on classes, ids or directly on the HTML element.

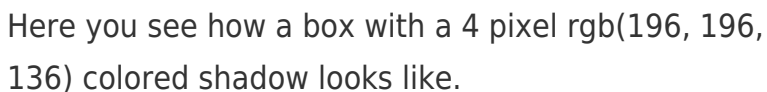
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 196, 136) }
```

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

```
.border{ border-color:rgb(196, 196, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 196, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 196, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 196, 136); box-shadow:4px 4px 4px 4px rgb(196, 196, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 31.629, 107.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 196, 136) }
```

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

```
.background{ background-color: rgb(196,  
196, 136) }
```

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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