

Converting Colors

CIELCh(78, 13.123, 107.536)

Have a look what the booklet for
CIELCh(78, 13.123, 107.536)
contains.

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Color

CIELCh(78, 12.784, 107.264)

Conversions

Conversions Part 1

Format	Color
Hex	C3C2AA
RGB	195, 194, 170
RGB Percent	76%, 76%, 67%
CMY	0.2345, 0.2384, 0.3326
CMYK	0.00, 0.01, 0.13, 0.23
HSL	58°, 17%, 72%
HSV	58°, 13%, 77%
XYZ	49.1689, 53.2120, 45.8074
YIQ	191.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

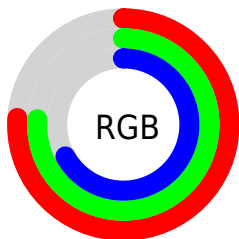
Format	Color
RYB	171, 195, 170
Decimal	12829354
CIELab	78.00, -3.79, 12.21
CIELCh	78, 12.784, 107.264
Yxy	53.2120, 0.3318, 0.3591
Android (android.graphics.Color)	4291019434 (0xFFC3C2AA)
YUV	191.5630, -10.6306, 3.0142
Hunter-Lab	72.9466, -7.3403, 13.8310

Details

The CIELCh color **78, 12.784, 107.264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71, 13.133, 289.933**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 12.713, 105.916**, and **58, 12.437, 106.803** is the 20% darker color. If you saturate the color by 10%, you get **77, 22.713, 106.271**, and if you desaturate by 10%, it is **79, 2.800, 108.240**.

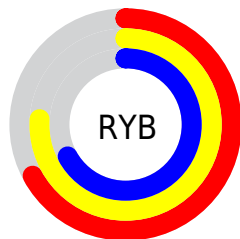
Distribution



Red (76%)

Green (76%)

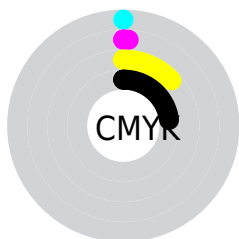
Blue (67%)



Red (67%)

Yellow (76%)

Blue (67%)

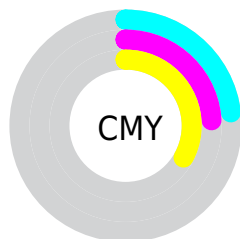


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (23%)



Cyan (23%)


Magenta (24%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 12.784, 107.264 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, 12.784, 107.264 by changing the saturation by 10% instead.

 78, 12.784,
107.264

 78, 12.784,
107.264

 100, 12.784,
107.264


 68, 12.784,
107.264


 98, 12.784,
107.264

 58, 12.784,
107.264

 48, 12.784,
107.264

 38, 12.784,
107.264

 28, 12.784,
107.264

 18, 12.784,
107.264

 8, 12.784, 107.264

■ 0, 12.784, 107.264

■ 78, 12.784,
107.264

■ 78, 12.784,
107.264

■ 77, 22.713,
106.271

■ 79, 2.800, 108.240

■ 79, 7.197, 289.246

■ 77, 32.504,
105.270

■ 80, 17.173,
290.177

■ 76, 42.039,
104.287

■ 81, 27.108,
291.075

■ 76, 51.126,
103.344

■ 81, 30.234,
291.024

■ 75, 59.474,
102.469

■ 82, 29.806,
290.476

■ 75, 66.664,
101.691

■ 82, 29.380,

■ 75, 72.186,
101.045

289.913

■ 75, 75.591,
100.548

■ 82, 28.958,
289.334

■ 74, 76.960,
100.264

■ 82, 28.538,
288.739

Harmonies

Complementary

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



78, 12.784, 107.264



71, 13.133, 289.933

Rectangle

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



78, 12.784, 107.264



78, 12.784, 157.264



78, 12.784, 287.264



78, 12.784, 337.264

Sweetspot

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



78, 12.786, 107.271



100, 4.957, 108.125



72, 9.645, 16.185



53, 3.524, 108.053



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, 12.786, 107.271



99, 18.593, 107.029



77, 14.035, 126.716



41, 5.627, 107.612



62, 66.640, 100.302



12, 17.738, 104.565

Inverse Universe

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



71, 13.133, 289.933



88, 19.193, 290.229



71, 14.311, 307.909



38, 5.741, 289.534



19, 92.792, 305.720



1, 18.923, 290.070

Previews

White Background



This preview shows how the CIELCh color 78, 12.784, 107.264 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, 12.784, 107.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

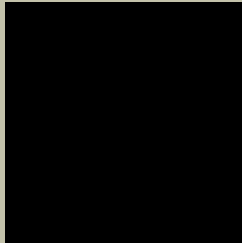
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

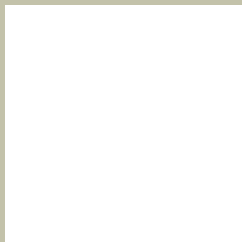
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 12.784, 107.264

Background



This preview shows how black text looks on a background with the CIELCh color 78, 12.784, 107.264.



This preview shows how white text looks on a background with the CIELCh color 78, 12.784, 107.264.

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, 12.784, 107.264

Protanopia

78, 12.856, 91.445

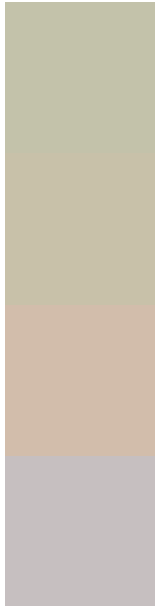
Deuteranopia

78, 14.987, 49.954



Tritanopia
78, 9.022, 317.066

Trichromacy



Original Color
78, 12.784, 107.264

Protanomaly
78, 13.062, 96.995

Deuteranomaly
78, 12.645, 68.947

Tritanomaly
78, 2.654, 7.807

Monochromacy



Original Color
78, 12.784, 107.264

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 4.800, 109.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 12.784, 107.264 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(195, 194, 170)` looks like.

```
.text, #text, p{  
    color:rgb(195, 194, 170)  
}
```

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(195, 194, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 194, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 12.784, 107.264 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(195, 194, 170) }
```

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

```
.border{ border-color:rgb(195, 194, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 194, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 194, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 194, 170);  
box-shadow:4px 4px 4px 4px rgb(195, 194,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 12.784, 107.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 194, 170) }
```

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

```
.background{ background-color: rgb(195,  
194, 170) }
```

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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