

Converting Colors

CIELCh(78, 12.355, 84.119)

Have a look what the booklet for
CIELCh(78, 12.355, 84.119) contains.

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Color

CIELCh(78, 12.455, 83.216)

Conversions

Conversions Part 1

Format	Color
Hex	CDBFAA
RGB	205, 191, 170
RGB Percent	80%, 75%, 67%
CMY	0.1956, 0.2505, 0.3329
CMYK	0.00, 0.07, 0.17, 0.20
HSL	36°, 26%, 74%
HSV	36°, 17%, 80%
XYZ	51.1294, 53.2120, 45.6610
YIQ	192.7920, 15.0850, -3.5630

Conversions

Conversions Part 2

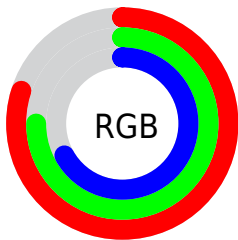
Format	Color
RYB	193, 205, 170
Decimal	13483946
CIELab	78.00, 1.47, 12.37
CIELCh	78, 12.455, 83.216
Yxy	53.2120, 0.3409, 0.3547
Android (android.graphics.Color)	4291674026 (0xFFCDBFAA)
YUV	192.7920, -11.2365, 10.7064
Hunter-Lab	72.9466, -2.5431, 13.9499

Details

The CIELCh color $78, 12.455, 83.216$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $74, 12.235, 267.869$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 11.556, 94.654$, and $58, 12.572, 83.206$ is the 20% darker color. If you saturate the color by 10%, you get $75, 20.060, 81.905$, and if you desaturate by 10%, it is $81, 5.075, 84.484$.

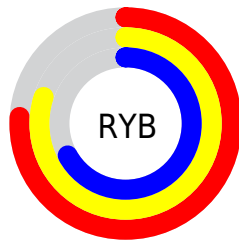
Distribution



Red (80%)

Green (75%)

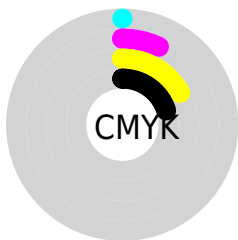
Blue (67%)



Red (76%)

Yellow (80%)

Blue (67%)

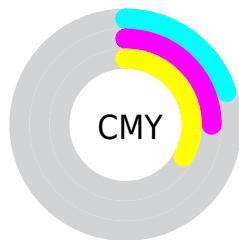


Cyan (0%)

Magenta (7%)

Yellow (17%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 12.455, 83.216 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, 12.455, 83.216 by changing the saturation by 10% instead.

 78, 12.455, 83.216

 78, 12.455, 83.216

 100, 12.455,
83.216

 68, 12.455, 83.216

 98, 12.455, 83.216

 58, 12.455, 83.216

 48, 12.455, 83.216

 38, 12.455, 83.216

 28, 12.455, 83.216

 18, 12.455, 83.216

 8, 12.455, 83.216

 0, 12.455, 83.216

 78, 12.455, 83.216

 78, 12.455, 83.216

75, 20.060, 81.905

81, 5.075, 84.484

73, 27.878, 80.543

83, 2.090, 265.933

71, 35.866, 79.142

86, 9.051, 267.026

68, 43.921, 77.692

89, 15.825,
268.165

66, 51.827, 76.159

91, 14.628,
253.527

64, 59.172, 74.466

62, 65.260, 72.458

93, 13.701,
232.506

60, 69.281, 69.910

95, 14.661,
211.729

59, 70.306, 69.143

97, 16.527,
198.408

Harmonies

Complementary

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



78, 12.455, 83.216



74, 12.235, 267.869

Rectangle

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



78, 12.455, 83.216



78, 12.455, 133.216



78, 12.455, 263.216



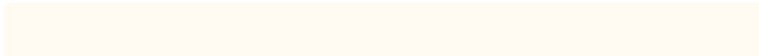
78, 12.455, 313.216

Sweetspot

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



78, 12.456, 83.227



98, 4.270, 84.714



73, 15.229, 351.004



52, 2.917, 84.634



0, 0.000, 0.000



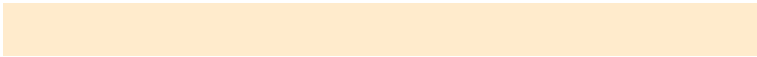
53, 0.007, 296.813

Same Dimension

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



78, 12.456, 83.227



94, 17.506, 82.810



81, 18.487, 112.723



42, 4.072, 84.202



48, 59.952, 69.700



9, 14.728, 70.704

Inverse Universe

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



74, 12.235, 267.869



89, 17.127, 268.394



71, 19.211, 295.664



41, 4.040, 266.722



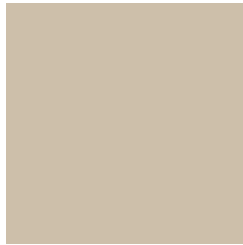
31, 62.768, 292.084



4, 17.020, 278.534

Previews

White Background



This preview shows how the CIELCh color 78, 12.455, 83.216 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, 12.455, 83.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

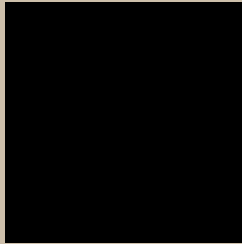
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

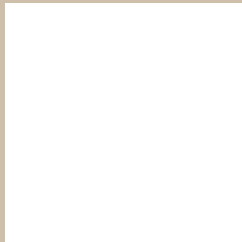
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 12.455, 83.216

Background



This preview shows how black text looks on a background with the CIELCh color 78, 12.455, 83.216.

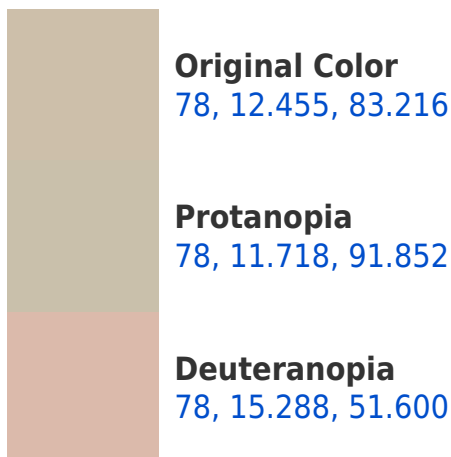


This preview shows how white text looks on a background with the CIELCh color 78, 12.455, 83.216.

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](#).

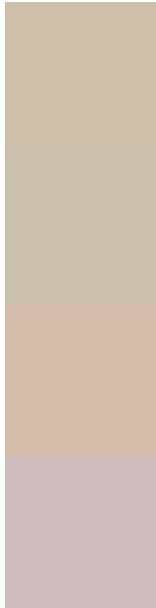
Dichromacy





Tritanopia
78, 11.060, 337.713

Trichromacy



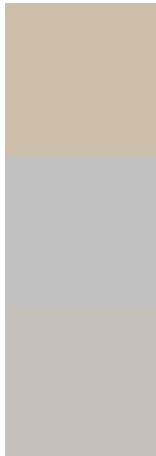
Original Color
78, 12.455, 83.216

Protanomaly
78, 11.839, 90.050

Deuteranomaly
78, 13.668, 61.299

Tritanomaly
78, 7.582, 11.881

Monochromacy



Original Color
78, 12.455, 83.216

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 4.163, 83.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 12.455, 83.216 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(205, 191, 170)` looks like.

```
.text, #text, p{  
    color:rgb(205, 191, 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(205, 191, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 191, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 12.455, 83.216 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(205, 191, 170) }
```

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

```
.border{ border-color:rgb(205, 191, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 191, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 191, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 191, 170);  
box-shadow:4px 4px 4px 4px rgb(205, 191,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 12.455, 83.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 191, 170) }
```

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

```
.background{ background-color: rgb(205,  
191, 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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