

Converting Colors

CIELCh(70, 23.764, 78.069)

Have a look what the booklet for
CIELCh(70, 23.764, 78.069) contains.

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Color

CIELCh(70, 23.917, 78.739)

Conversions

Conversions Part 1

Format	Color
Hex	C3A781
RGB	195, 167, 129
RGB Percent	76%, 65%, 51%
CMY	0.2359, 0.3456, 0.4946
CMYK	0.00, 0.14, 0.34, 0.24
HSL	35°, 35%, 63%
HSV	35°, 34%, 76%
XYZ	40.2136, 40.7494, 26.4677
YIQ	171.0400, 28.8860, -5.8820

Conversions

Conversions Part 2

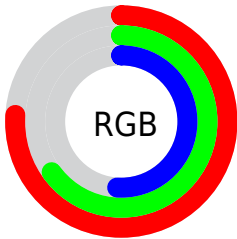
Format	Color
RYB	178, 195, 129
Decimal	12822401
CIELab	70.00, 4.67, 23.46
CIELCh	70, 23.917, 78.739
Yxy	40.7494, 0.3743, 0.3793
Android (android.graphics.Color)	4291012481 (0xFFC3A781)
YUV	171.0400, -20.7257, 21.0129
Hunter-Lab	63.8353, 0.7359, 20.1016

Details

The CIELCh color **70, 23.917, 78.739** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **64, 22.728, 268.707**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 23.872, 79.085**, and **50, 24.027, 78.902** is the 20% darker color. If you saturate the color by 10%, you get **68, 31.479, 77.375**, and if you desaturate by 10%, it is **73, 16.572, 80.082**.

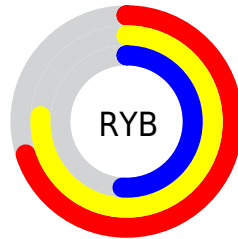
Distribution



Red (76%)

Green (65%)

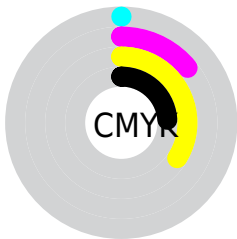
Blue (51%)



Red (70%)

Yellow (76%)

Blue (51%)

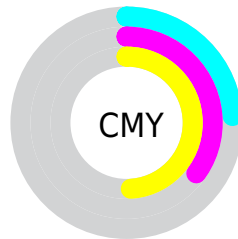


Cyan (0%)

Magenta (14%)

Yellow (34%)

Black (24%)



Cyan (24%)

Magenta (35%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 23.917, 78.739 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 70, 23.917, 78.739 by changing the saturation by 10% instead.

■ 70, 23.917, 78.739

■ 70, 23.917, 78.739

■ 100, 23.917,
78.739

■ 60, 23.917, 78.739

■ 90, 23.917, 78.739

■ 50, 23.917, 78.739

■ 40, 23.917, 78.739

■ 30, 23.917, 78.739

■ 20, 23.917, 78.739

■ 10, 23.917, 78.739

■ 0, 23.917, 78.739

■ 70, 23.917, 78.739

■ 70, 23.917, 78.739

■ 68, 31.479, 77.375

■ 73, 16.572, 80.082

65, 39.190, 75.964

75, 9.462, 81.377

63, 46.900, 74.488

78, 2.588, 82.565

61, 54.303, 72.885

80, 4.064, 263.988

58, 60.845, 71.023

83, 10.512,
265.128

56, 65.695, 68.664

86, 16.776,
266.255

55, 67.963, 67.040

88, 18.271,
259.348

90, 16.597,
242.596

93, 16.509,
224.197

Harmonies

Complementary

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



70, 23.917, 78.739



64, 22.728, 268.707

Rectangle

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



70, 23.917, 78.739



70, 23.917, 128.739



70, 23.917, 258.739



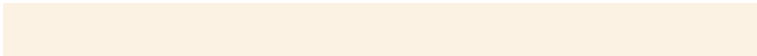
70, 23.917, 308.739

Sweetspot

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



70, 23.917, 78.745



96, 8.367, 81.842



61, 29.973, 350.873



51, 5.770, 81.664



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 23.917, 78.745



86, 36.185, 77.683



77, 34.787, 109.896



40, 3.822, 81.939



46, 58.827, 67.585



7, 11.749, 67.246

Inverse Universe

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



64, 22.728, 268.707



77, 33.969, 270.463



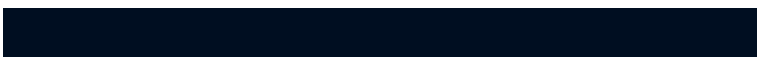
57, 37.796, 296.564



39, 3.780, 264.453



31, 58.540, 290.188



4, 13.869, 274.954

Previews

White Background



This preview shows how the CIELCh color 70, 23.917, 78.739 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 70, 23.917, 78.739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

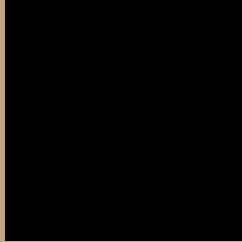
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 23.917, 78.739

Background



This preview shows how black text looks on a background with the CIELCh color 70, 23.917, 78.739.



This preview shows how white text looks on a background with the CIELCh color 70, 23.917, 78.739.

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

70, 23.917, 78.739

Protanopia

70, 22.287, 95.123

Deuteranopia

70, 25.147, 68.801



Tritanopia
70, 16.319, 357.379

Trichromacy



Original Color
70, 23.917, 78.739

Protanomaly
70, 22.538, 88.644

Deuteranomaly
70, 24.473, 72.518

Tritanomaly
70, 14.321, 33.678

Monochromacy



Original Color
70, 23.917, 78.739

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 8.298, 78.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 23.917, 78.739 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, 167, 129)` looks like.

```
.text, #text, p{  
    color:rgb(195, 167, 129)  
}
```

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, 167, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 167, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 23.917, 78.739 is called "border". The border property can be set on classes, ids or directly on the HTML element.

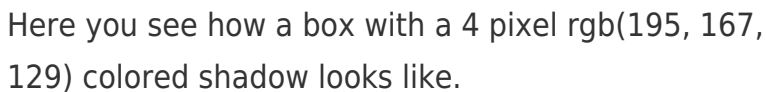
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 167, 129) }
```

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

```
.border{ border-color:rgb(195, 167, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 167, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 167, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 167, 129); box-shadow:4px 4px 4px 4px rgb(195, 167, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 23.917, 78.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 167, 129) }
```

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

```
.background{ background-color: rgb(195,  
167, 129) }
```

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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