

Converting Colors

CIELCh(70, 28.870, 91.678)

Have a look what the booklet for
CIELCh(70, 28.870, 91.678) contains.

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Color

CIELCh(70, 28.700, 91.977)

Conversions

Conversions Part 1

Format	Color
Hex	BCAA77
RGB	188, 170, 119
RGB Percent	74%, 67%, 47%
CMY	0.2629, 0.3335, 0.5335
CMYK	0.00, 0.10, 0.37, 0.26
HSL	44°, 34%, 60%
HSV	44°, 37%, 74%
XYZ	38.4216, 40.7494, 23.2802
YIQ	169.5680, 27.0990, -12.0450

Conversions

Conversions Part 2

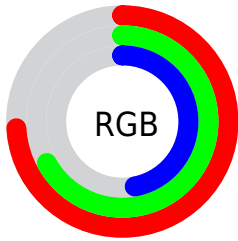
Format	Color
RYB	143, 188, 119
Decimal	12364407
CIELab	70.00, -0.99, 28.68
CIELCh	70, 28.700, 91.977
Yxy	40.7494, 0.3750, 0.3977
Android (android.graphics.Color)	4290554487 (0xFFBCAA77)
YUV	169.5680, -24.9300, 16.1649
Hunter-Lab	63.8353, -4.2750, 23.0621

Details

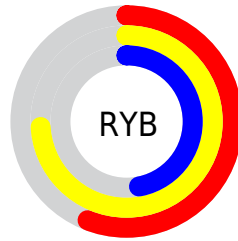
The CIELCh color **70, 28.700, 91.977** is a light color, and the websafe version is hex **999966**. A complement of this color would be **57, 29.390, 282.176**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 28.476, 91.853**, and **50, 28.624, 91.490** is the 20% darker color. If you saturate the color by 10%, you get **68, 36.574, 90.673**, and if you desaturate by 10%, it is **72, 20.793, 93.258**.

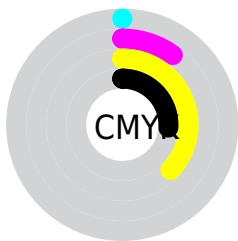
Distribution



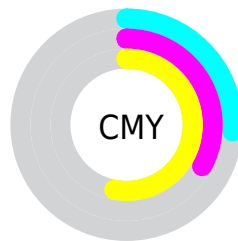
- Red (74%)
- Green (67%)
- Blue (47%)



- Red (56%)
- Yellow (74%)
- Blue (47%)



- Cyan (0%)
- Magenta (10%)
- Yellow (37%)
- Black (26%)



- Cyan (26%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 28.700, 91.977 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, 28.700, 91.977 by changing the saturation by 10% instead.

■ 70, 28.700, 91.977

■ 70, 28.700, 91.977

■ 100, 28.700,
91.977

■ 60, 28.700, 91.977

■ 90, 28.700, 91.977

■ 50, 28.700, 91.977

■ 40, 28.700, 91.977

■ 30, 28.700, 91.977

■ 20, 28.700, 91.977

■ 10, 28.700, 91.977

■ 0, 28.700, 91.977

■ 70, 28.700, 91.977

■ 70, 28.700, 91.977

■ 68, 36.574, 90.673

■ 72, 20.793, 93.258

67, 44.268, 89.332

73, 12.930, 94.496

65, 51.524, 87.945

75, 5.152, 95.680

64, 57.919, 86.482

77, 2.524, 276.951

63, 62.835, 84.874

79, 10.090,
278.012

61, 65.684, 83.022

80, 17.548,
279.070

61, 66.436, 82.397

82, 24.901,
280.083

84, 24.900,
276.401

85, 22.826,
270.446

Harmonies

Complementary

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



70, 28.700, 91.977



57, 29.390, 282.176

Rectangle

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



70, 28.700, 91.977



70, 28.700, 141.977



70, 28.700, 271.977



70, 28.700, 321.977

Sweetspot

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



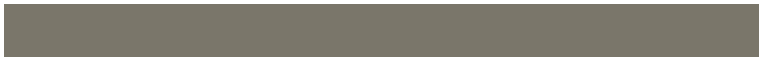
70, 28.701, 91.982



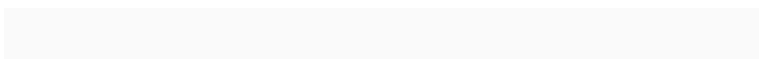
94, 10.510, 95.160



58, 29.526, 2.638



50, 7.066, 94.999



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 28.701, 91.982



87, 42.703, 90.936



74, 37.122, 116.925



39, 4.377, 95.375



52, 58.513, 82.707



8, 11.967, 87.495

Inverse Universe

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



57, 29.390, 282.176



69, 44.126, 283.897



54, 40.276, 302.228



37, 4.406, 277.683



24, 75.198, 299.780



2, 14.270, 281.929

Previews

White Background



This preview shows how the CIELCh color 70, 28.700, 91.977 looks on a white background.

Color Contrast Check

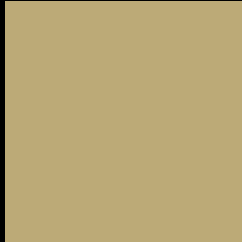
Large Text (above 18pt) WCAG AA × Fail

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, 28.700, 91.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

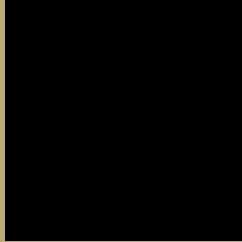
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 28.700, 91.977

Background



This preview shows how black text looks on a background with the CIELCh color 70, 28.700, 91.977.



This preview shows how white text looks on a background with the CIELCh color 70, 28.700, 91.977.

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, 28.700, 91.977

Protanopia

70, 28.764, 95.463

Deuteranopia

70, 29.746, 72.688



Tritanopia
70, 13.508, 351.697

Trichromacy



Original Color
70, 28.700, 91.977

Protanomaly
70, 28.860, 94.639

Deuteranomaly
70, 28.689, 79.282

Tritanomaly
70, 11.985, 50.012

Monochromacy



Original Color
70, 28.700, 91.977

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 10.719, 94.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 28.700, 91.977 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(188, 170, 119)` looks like.

```
.text, #text, p{  
    color:rgb(188, 170, 119)  
}
```

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(188, 170, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 170, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 28.700, 91.977 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(188, 170, 119) }
```

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

```
.border{ border-color:rgb(188, 170, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 170, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 170, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 170, 119);  
box-shadow:4px 4px 4px 4px rgb(188, 170,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 28.700, 91.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 170, 119) }
```

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

```
.background{ background-color: rgb(188,  
170, 119) }
```

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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