

Converting Colors

CIELCh(70, 27.740, 76.422)

Have a look what the booklet for
CIELCh(70, 27.740, 76.422) contains.

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Color

CIELCh(70, 27.705, 76.447)

Conversions

Conversions Part 1

Format	Color
Hex	C8A67B
RGB	200, 166, 123
RGB Percent	78%, 65%, 48%
CMY	0.2175, 0.3507, 0.5193
CMYK	0.00, 0.17, 0.39, 0.22
HSL	34°, 41%, 63%
HSV	34°, 39%, 78%
XYZ	40.8020, 40.7494, 24.3168
YIQ	171.2640, 34.0670, -6.1650

Conversions

Conversions Part 2

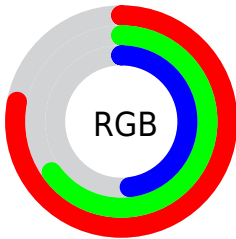
Format	Color
RYB	184, 200, 123
Decimal	13149819
CIELab	70.00, 6.49, 26.93
CIELCh	70, 27.705, 76.447
Yxy	40.7494, 0.3854, 0.3849
Android (android.graphics.Color)	4291339899 (0xFFC8A67B)
YUV	171.2640, -23.7942, 25.2015
Hunter-Lab	63.8353, 2.3814, 22.0993

Details

The CIELCh color **70, 27.705, 76.447** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **64, 25.844, 268.091**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 27.001, 78.475**, and **50, 27.605, 75.643** is the 20% darker color. If you saturate the color by 10%, you get **67, 35.482, 75.079**, and if you desaturate by 10%, it is **73, 20.152, 77.794**.

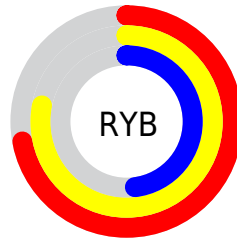
Distribution



Red (78%)

Green (65%)

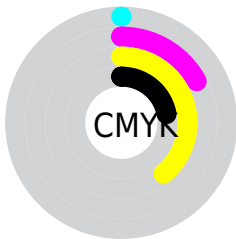
Blue (48%)



Red (72%)

Yellow (78%)

Blue (48%)

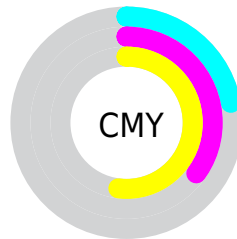


Cyan (0%)

Magenta (17%)

Yellow (39%)

Black (22%)



Cyan (22%)

Magenta (35%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 27.705, 76.447 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, 27.705, 76.447 by changing the saturation by 10% instead.

■ 70, 27.705, 76.447

■ 70, 27.705, 76.447

■ 100, 27.705,
76.447

■ 60, 27.705, 76.447

■ 90, 27.705, 76.447

■ 50, 27.705, 76.447

■ 40, 27.705, 76.447

■ 30, 27.705, 76.447

■ 20, 27.705, 76.447

■ 10, 27.705, 76.447

■ 0, 27.705, 76.447

■ 70, 27.705, 76.447

■ 70, 27.705, 76.447

■ 67, 35.482, 75.079

■ 73, 20.152, 77.794

65, 43.388, 73.660

75, 12.856, 79.103

63, 51.213, 72.155

78, 5.820, 80.359

60, 58.544, 70.469

81, 0.966, 261.996

58, 64.666, 68.411

84, 7.524, 262.914

56, 68.907, 65.785

87, 13.873,
264.057

56, 69.497, 65.421

89, 16.824,
258.727

91, 15.243,
239.151

94, 15.623,
218.234

Harmonies

Complementary

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



70, 27.705, 76.447



64, 25.844, 268.091

Rectangle

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



70, 27.705, 76.447



70, 27.705, 126.447



70, 27.705, 256.447



70, 27.705, 306.447

Sweetspot

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



70, 27.705, 76.453



96, 10.018, 79.915



61, 35.126, 350.459



51, 6.662, 79.749



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, 27.705, 76.453



85, 40.887, 75.343



79, 40.179, 108.748



41, 3.849, 80.260



46, 59.761, 65.992



8, 13.087, 64.880

Inverse Universe

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



64, 25.844, 268.091



76, 37.575, 270.087



55, 44.310, 296.760



40, 3.798, 262.782



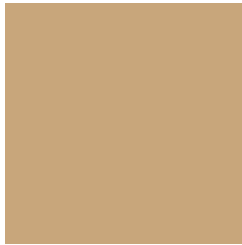
32, 57.421, 288.879



4, 14.970, 274.837

Previews

White Background



This preview shows how the CIELCh color 70, 27.705, 76.447 looks on a white background.

Color Contrast Check

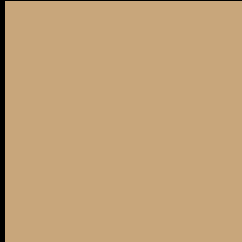
Large Text (above 18pt) WCAG AA × Fail

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, 27.705, 76.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

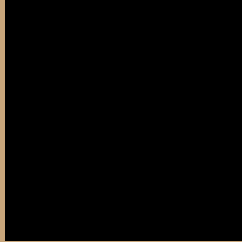
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 27.705, 76.447

Background



This preview shows how black text looks on a background with the CIELCh color 70, 27.705, 76.447.



This preview shows how white text looks on a background with the CIELCh color 70, 27.705, 76.447.

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, 27.705, 76.447

Protanopia

70, 25.534, 95.367

Deuteranopia

70, 28.109, 71.786



Tritanopia
70, 18.899, 1.061

Trichromacy



Original Color
70, 27.705, 76.447

Protanomaly
70, 26.055, 87.882

Deuteranomaly
70, 28.009, 73.743

Tritanomaly
70, 17.502, 35.133

Monochromacy



Original Color
70, 27.705, 76.447

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 9.934, 80.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 27.705, 76.447 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(200, 166, 123)` looks like.

```
.text, #text, p{  
    color:rgb(200, 166, 123)  
}
```

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(200, 166, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 166, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 27.705, 76.447 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(200, 166, 123) }
```

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

```
.border{ border-color:rgb(200, 166, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 166, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 166, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 166, 123);  
box-shadow:4px 4px 4px 4px rgb(200, 166,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 27.705, 76.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 166, 123) }
```

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

```
.background{ background-color: rgb(200,  
166, 123) }
```

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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