

Converting Colors

CIELCh(70, 16.186, 30.360)

Have a look what the booklet for
CIELCh(70, 16.186, 30.360) contains.

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Color

CIELCh(70, 16.200, 30.375)

Conversions

Conversions Part 1

Format	Color
Hex	CAA29D
RGB	202, 162, 157
RGB Percent	79%, 64%, 62%
CMY	0.2085, 0.3653, 0.3849
CMYK	0.00, 0.20, 0.22, 0.21
HSL	7°, 30%, 70%
HSV	7°, 22%, 79%
XYZ	43.2792, 40.7494, 37.4143
YIQ	173.3900, 25.4450, 6.9250

Conversions

Conversions Part 2

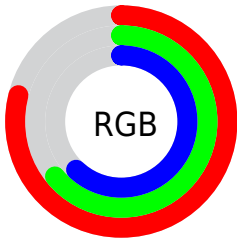
Format	Color
R_{YB}	202, 163, 157
Decimal	13279901
CIE _{Lab}	70.00, 13.98, 8.19
CIE _{LCh}	70, 16.200, 30.375
Yxy	40.7494, 0.3564, 0.3355
Android (android.graphics.Color)	4291469981 (0xFFCAA29D)
YUV	173.3900, -8.0803, 25.0910
Hunter-Lab	63.8353, 9.3083, 9.9344

Details

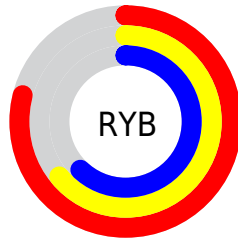
The CIELCh color **70, 16.200, 30.375** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **77, 13.905, 209.643**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 14.439, 30.635**, and **50, 16.155, 29.438** is the 20% darker color. If you saturate the color by 10%, you get **65, 24.453, 30.974**, and if you desaturate by 10%, it is **75, 8.569, 29.964**.

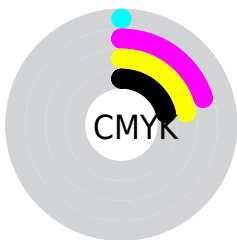
Distribution



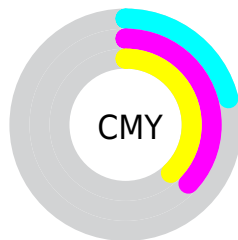
- Red (79%)
- Green (64%)
- Blue (62%)



- Red (79%)
- Yellow (64%)
- Blue (62%)



- Cyan (0%)
- Magenta (20%)
- Yellow (22%)
- Black (21%)



- Cyan (21%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 16.200, 30.375 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, 16.200, 30.375 by changing the saturation by 10% instead.

70, 16.200, 30.375

70, 16.200, 30.375

100, 16.200,
30.375

60, 16.200, 30.375

90, 16.200, 30.375

50, 16.200, 30.375

40, 16.200, 30.375

30, 16.200, 30.375

20, 16.200, 30.375

10, 16.200, 30.375

0, 16.200, 30.375

70, 16.200, 30.375

70, 16.200, 30.375

65, 24.453, 30.974

75, 8.569, 29.964

61, 33.331, 31.805

80, 1.532, 29.421

56, 42.781, 32.942

85, 4.959, 209.765

52, 52.674, 34.439

90, 10.959,
209.651

49, 62.760, 36.301

96, 16.438,
204.642

46, 72.551, 38.388

44, 80.990, 40.202

97, 17.538,
198.343

43, 85.931, 41.275

Harmonies

Complementary

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



70, 16.200, 30.375



77, 13.905, 209.643

Rectangle

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



70, 16.200, 30.375



70, 16.200, 80.375



70, 16.200, 210.375



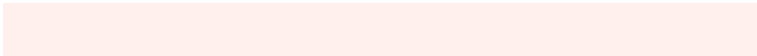
70, 16.200, 260.375

Sweetspot

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



70, 16.199, 30.383



96, 5.775, 29.772



70, 27.550, 328.555



51, 3.762, 29.796



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, 16.199, 30.383



84, 24.225, 30.657



76, 16.187, 82.535



40, 3.942, 29.859



35, 73.894, 41.420



5, 16.794, 25.268

Inverse Universe

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



77, 13.905, 209.643



94, 19.995, 209.680



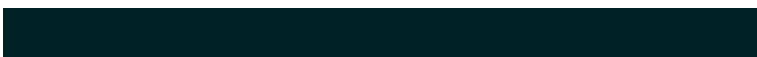
71, 15.796, 268.730



42, 3.710, 209.717



56, 32.097, 216.283



11, 12.159, 211.717

Previews

White Background



This preview shows how the CIELCh color 70, 16.200, 30.375 looks on a white background.

Color Contrast Check

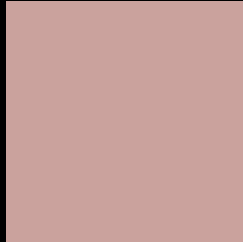
Large Text (above 18pt) WCAG AA × Fail

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, 16.200, 30.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

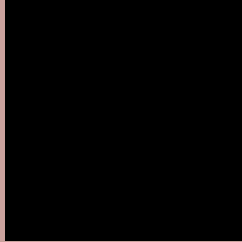
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 16.200, 30.375

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.200, 30.375.



This preview shows how white text looks on a background with the CIELCh color 70, 16.200, 30.375.

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, 16.200, 30.375

Protanopia

70, 5.411, 84.315

Deuteranopia

70, 12.183, 43.882



Tritanopia
70, 18.144, 0.098

Trichromacy



Original Color
70, 16.200, 30.375

Protanomaly
70, 8.287, 51.524

Deuteranomaly
70, 13.494, 39.164

Tritanomaly
70, 16.611, 11.557

Monochromacy



Original Color
70, 16.200, 30.375

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 5.484, 31.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.200, 30.375 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(202, 162, 157)` looks like.

```
.text, #text, p{  
    color:rgb(202, 162, 157)  
}
```

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(202, 162, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 162, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.200, 30.375 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(202, 162, 157) }
```

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

```
.border{ border-color:rgb(202, 162, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 162, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 162, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 162, 157);  
box-shadow:4px 4px 4px 4px rgb(202, 162,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.200, 30.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 162, 157) }
```

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

```
.background{ background-color: rgb(202,  
162, 157) }
```

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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