

Converting Colors

CIELCh(67, 8.176, 80.421)

Have a look what the booklet for
CIELCh(67, 8.176, 80.421) contains.

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Color

CIELCh(67, 8.166, 80.430)

Conversions

Conversions Part 1

Format	Color
Hex	ACA295
RGB	172, 162, 149
RGB Percent	67%, 64%, 58%
CMY	0.3267, 0.3659, 0.4168
CMYK	0.00, 0.06, 0.13, 0.33
HSL	34°, 12%, 63%
HSV	34°, 13%, 67%
XYZ	35.2155, 36.6320, 33.5247
YIQ	163.5080, 10.1330, -1.9230

Conversions

Conversions Part 2

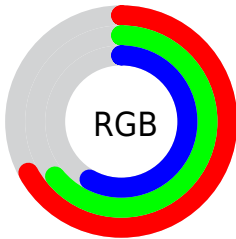
Format	Color
RYB	167, 172, 149
Decimal	11313813
CIELab	67.00, 1.36, 8.05
CIELCh	67, 8.166, 80.430
Yxy	36.6320, 0.3342, 0.3476
Android (android.graphics.Color)	4289503893 (0xFFACA295)
YUV	163.5080, -7.1524, 7.4475
Hunter-Lab	60.5244, -2.0592, 9.5261

Details

The CIELCh color $67, 8.166, 80.430$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 8.009, 264.005$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 8.175, 82.488$, and $47, 8.284, 77.932$ is the 20% darker color. If you saturate the color by 10%, you get $65, 14.524, 79.168$, and if you desaturate by 10%, it is $69, 2.027, 81.596$.

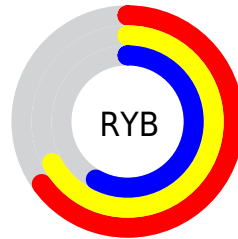
Distribution



Red (67%)

Green (64%)

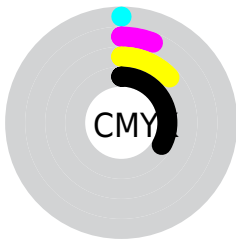
Blue (58%)



Red (65%)

Yellow (67%)

Blue (58%)

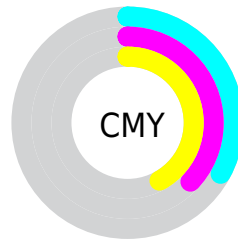


Cyan (0%)

Magenta (6%)

Yellow (13%)

Black (33%)



Cyan (33%)


Magenta (37%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 8.166, 80.430 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 67, 8.166, 80.430 by changing the saturation by 10% instead.

 67, 8.166, 80.430  67, 8.166, 80.430

 100, 8.166, 80.430  57, 8.166, 80.430

 87, 8.166, 80.430  47, 8.166, 80.430

 97, 8.166, 80.430  37, 8.166, 80.430

 27, 8.166, 80.430

 17, 8.166, 80.430

 7, 8.166, 80.430

 0, 8.166, 80.430

 67, 8.166, 80.430  67, 8.166, 80.430

 65, 14.524, 79.168  69, 2.027, 81.596

62, 21.104, 77.853

72, 3.907, 263.025

60, 27.893, 76.505

74, 9.654, 264.155

58, 34.839, 75.122

77, 15.232,
265.272

56, 41.822, 73.680

79, 20.658,
266.345

54, 48.595, 72.123

52, 54.698, 70.328

82, 25.947,
267.371

50, 59.411, 68.070

84, 24.881,
259.954

49, 61.963, 66.445

86, 23.030,
249.046

88, 22.100,
236.887

Harmonies

Complementary

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



67, 8.166, 80.430



65, 8.009, 264.005

Rectangle

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



67, 8.166, 80.430



67, 8.166, 130.430



67, 8.166, 260.430



67, 8.166, 310.430

Sweetspot

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



67, 8.167, 80.444



88, 2.979, 81.535



64, 10.600, 347.578



46, 2.118, 81.462



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 8.167, 80.444



85, 12.195, 80.080



70, 12.536, 110.977



35, 3.455, 80.946



43, 56.162, 66.856



4, 6.704, 72.121

Inverse Universe

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



65, 8.009, 264.005



82, 11.898, 264.445



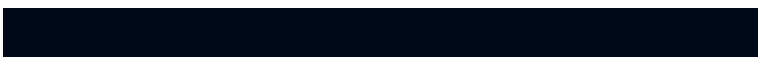
62, 12.919, 293.431



35, 3.413, 263.425



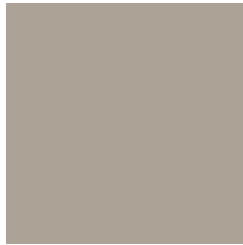
30, 54.401, 289.124



3, 7.795, 269.400

Previews

White Background



This preview shows how the CIELCh color 67, 8.166, 80.430 looks on a white background.

Color Contrast Check

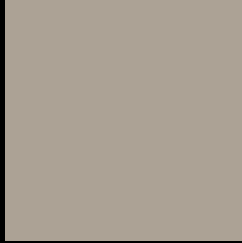
Large Text (above 18pt) WCAG AA × Fail

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 67, 8.166, 80.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

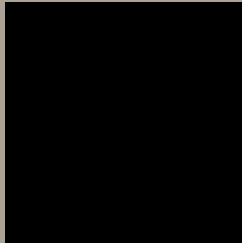
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 8.166, 80.430

Background



This preview shows how black text looks on a background with the CIELCh color 67, 8.166, 80.430.

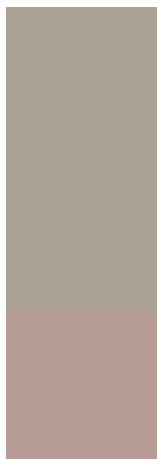


This preview shows how white text looks on a background with the CIELCh color 67, 8.166, 80.430.

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


67, 8.166, 80.430

Protanopia

67, 7.659, 88.281

Deuteranopia

67, 11.471, 39.798



Tritanopia
67, 9.673, 332.378

Trichromacy



Original Color
67, 8.166, 80.430

Protanomaly
67, 7.811, 85.557

Deuteranomaly
67, 9.729, 50.470

Tritanomaly
67, 6.184, 359.047

Monochromacy



Original Color
67, 8.166, 80.430

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 2.971, 86.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 8.166, 80.430 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(172, 162, 149)` looks like.

```
.text, #text, p{  
    color:rgb(172, 162, 149)  
}
```

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(172, 162, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 162, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 8.166, 80.430 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(172, 162, 149) }
```

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

```
.border{ border-color:rgb(172, 162, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 162, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 162, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 162, 149);  
box-shadow:4px 4px 4px 4px rgb(172, 162,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 8.166, 80.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 162, 149) }
```

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

```
.background{ background-color: rgb(172,  
162, 149) }
```

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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