

Converting Colors

CIELCh(67, 33.469, 107.408)

Have a look what the booklet for
CIELCh(67, 33.469, 107.408)
contains.

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Color

CIELCh(67, 33.499, 107.390)

Conversions

Conversions Part 1

Format	Color
Hex	A6A769
RGB	166, 167, 105
RGB Percent	65%, 65%, 41%
CMY	0.3501, 0.3461, 0.5892
CMYK	0.01, 0.00, 0.37, 0.35
HSL	61°, 26%, 53%
HSV	61°, 37%, 65%
XYZ	31.9755, 36.6320, 18.6823
YIQ	159.6330, 19.3060, -19.4940

Conversions

Conversions Part 2

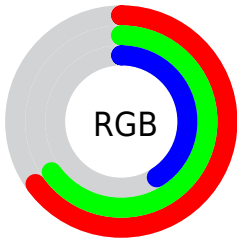
Format	Color
RYB	105, 167, 106
Decimal	10921833
CIELab	67.00, -10.01, 31.97
CIELCh	67, 33.499, 107.390
Yxy	36.6320, 0.3663, 0.4197
Android (android.graphics.Color)	4289111913 (0xFFA6A769)
YUV	159.6330, -26.9341, 5.5839
Hunter-Lab	60.5244, -11.6147, 24.0658

Details

The CIELCh color **67, 33.499, 107.390** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **47, 36.747, 295.439**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.500, 107.342**, and **47, 33.583, 107.143** is the 20% darker color. If you saturate the color by 10%, you get **67, 41.999, 106.519**, and if you desaturate by 10%, it is **67, 24.679, 108.305**.

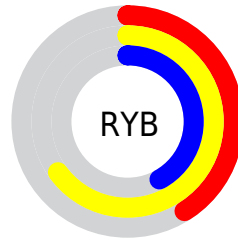
Distribution



Red (65%)

Green (65%)

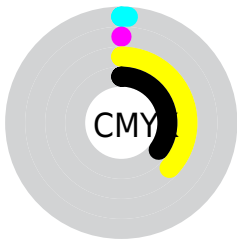
Blue (41%)



Red (41%)

Yellow (65%)

Blue (42%)

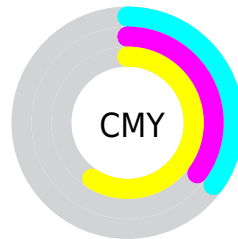


Cyan (1%)

Magenta (0%)

Yellow (37%)

Black (35%)



Cyan (35%)


Magenta (35%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 33.499, 107.390 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, 33.499, 107.390 by changing the saturation by 10% instead.


 67, 33.499,
107.390


 67, 33.499,
107.390


 100, 33.499,
107.390


 57, 33.499,
107.390


 87, 33.499,
107.390

 47, 33.499,
107.390

 97, 33.499,
107.390

 37, 33.499,
107.390

 27, 33.499,
107.390

 17, 33.499,
107.390

 7, 33.499, 107.390

 0, 33.499, 107.390

■ 67, 33.499,
107.390

■ 67, 33.499,
107.390

■ 67, 41.999,
106.519

■ 67, 24.679,
108.305

■ 67, 49.973,
105.711

■ 68, 15.670,
109.232

■ 66, 57.127,
105.006

■ 68, 6.560, 110.155

■ 66, 63.071,
104.445

■ 69, 2.596, 291.095

■ 66, 67.390,
104.070

■ 69, 11.758,
291.969

■ 66, 69.921,
103.893

■ 70, 20.903,
292.826

■ 66, 70.524,
103.854

■ 70, 30.010,
293.647

■ 71, 39.066,
294.430

■ 72, 48.060,
295.172

Harmonies

Complementary

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



67, 33.499, 107.390



47, 36.747, 295.439

Rectangle

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



67, 33.499, 107.390



67, 33.499, 157.390



67, 33.499, 287.390



67, 33.499, 337.390

Sweetspot

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



67, 33.500, 107.393



86, 12.443, 109.786



51, 26.953, 22.785



46, 8.425, 109.666



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



67, 33.500, 107.393



85, 49.692, 106.634



65, 36.049, 127.356



36, 5.212, 109.961



59, 64.581, 103.845



6, 9.560, 111.083

Inverse Universe

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



47, 36.747, 295.439



54, 56.068, 296.937



50, 37.979, 310.885



32, 5.325, 291.737



16, 89.058, 306.350



0, 9.560, 290.730

Previews

White Background



This preview shows how the CIELCh color 67, 33.499, 107.390 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, 33.499, 107.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

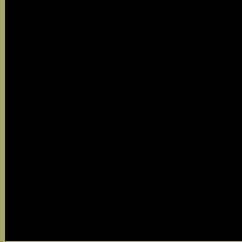
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 33.499, 107.390

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.499, 107.390.



This preview shows how white text looks on a background with the CIELCh color 67, 33.499, 107.390.

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, 33.499, 107.390

Protanopia
67, 33.172, 96.210

Deuteranopia
67, 32.400, 74.754



Tritanopia
67, 8.755, 331.024

Trichromacy



Original Color
67, 33.499, 107.390

Protanomaly
67, 32.787, 99.951

Deuteranomaly
67, 31.552, 86.951

Tritanomaly
67, 8.986, 85.869

Monochromacy



Original Color
67, 33.499, 107.390

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 12.671, 110.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.499, 107.390 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(166, 167, 105)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 105)  
}
```

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(166, 167, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.499, 107.390 is called "border". The border property can be set on classes, ids or directly on the HTML element.

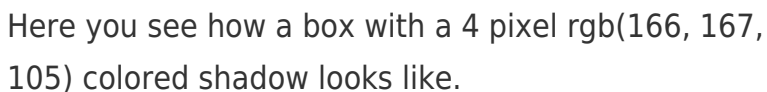
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 167, 105) }
```

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

```
.border{ border-color:rgb(166, 167, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 167, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 167, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 167, 105); box-shadow:4px 4px 4px 4px rgb(166, 167, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.499, 107.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 105) }
```

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

```
.background{ background-color: rgb(166,  
167, 105) }
```

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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