

Converting Colors

CIELCh(67, 46.991, 104.727)

Have a look what the booklet for
CIELCh(67, 46.991, 104.727)
contains.

CIELCh(67, 47.017, 104.702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(67, 47.017, 104.702)

Conversions

Conversions Part 1

Format	Color
Hex	A8A74E
RGB	168, 167, 78
RGB Percent	66%, 65%, 31%
CMY	0.3402, 0.3441, 0.6932
CMYK	0.00, 0.01, 0.54, 0.34
HSL	59°, 37%, 48%
HSV	59°, 54%, 66%
XYZ	31.4486, 36.6320, 12.6638
YIQ	157.1530, 29.1650, -27.4670

Conversions

Conversions Part 2

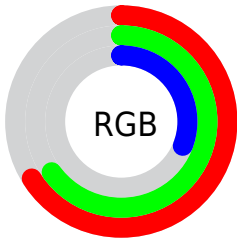
Format	Color
RYB	79, 168, 78
Decimal	11052878
CIELab	67.00, -11.93, 45.48
CIELCh	67, 47.017, 104.702
Yxy	36.6320, 0.3895, 0.4537
Android (android.graphics.Color)	4289242958 (0xFFA8A74E)
YUV	157.1530, -39.0224, 9.5128
Hunter-Lab	60.5244, -13.1685, 29.9615

Details

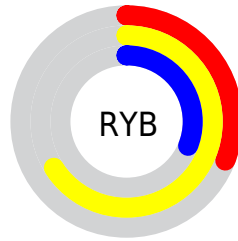
The CIELCh color $67, 47.017, 104.702$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $38, 54.436, 297.642$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 46.893, 104.696$, and $47, 46.810, 104.353$ is the 20% darker color. If you saturate the color by 10%, you get $67, 54.520, 103.903$, and if you desaturate by 10%, it is $67, 38.823, 105.586$.

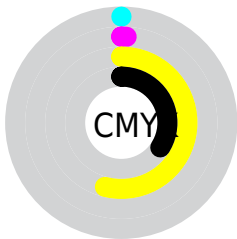
Distribution



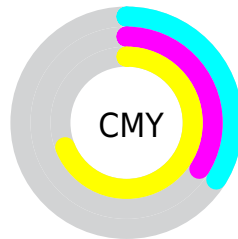
- Red (66%)
- Green (65%)
- Blue (31%)



- Red (31%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (1%)
- Yellow (54%)
- Black (34%)





- Cyan (34%)
- Magenta (34%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 47.017, 104.702 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, 47.017, 104.702 by changing the saturation by 10% instead.


 67, 47.017,
104.702


 67, 47.017,
104.702


 100, 47.017,
104.702


 57, 47.017,
104.702


 87, 47.017,
104.702

 47, 47.017,
104.702

 97, 47.017,
104.702

 37, 47.017,
104.702

 27, 47.017,
104.702

 17, 47.017,
104.702

 7, 47.017, 104.702

 0, 47.017, 104.702

67, 47.017,
104.702

67, 47.017,
104.702

67, 54.520,
103.903

67, 38.823,
105.586

67, 60.967,
103.216

68, 30.197,
106.518

66, 65.929,
102.681

68, 21.314,
107.475

66, 69.045,
102.324

68, 12.286,
108.438

66, 70.393,
102.155

69, 3.187, 109.382

69, 5.936, 290.351

70, 15.052,
291.257

70, 24.140,
292.134

■ 71, 33.185,
292.973

Harmonies

Complementary

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



67, 47.017, 104.702



38, 54.436, 297.642

Rectangle

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



67, 47.017, 104.702



67, 47.017, 154.702



67, 47.017, 284.702



67, 47.017, 334.702

Sweetspot

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



67, 47.018, 104.705



87, 18.047, 108.170



45, 40.826, 24.530



46, 12.159, 107.982



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, 47.018, 104.705



85, 67.835, 103.780



64, 51.156, 126.063



36, 5.153, 108.842



59, 64.037, 102.162



6, 9.405, 109.543

Inverse Universe

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



38, 54.436, 297.642



42, 82.397, 300.179



42, 55.526, 311.238



33, 5.263, 290.684



16, 88.579, 306.111



1, 9.466, 289.795

Previews

White Background



This preview shows how the CIELCh color 67, 47.017, 104.702 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 CIE LCh color 67, 47.017, 104.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

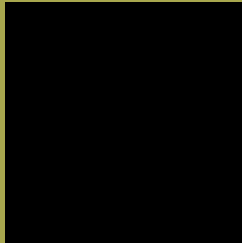
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 47.017, 104.702

Background



This preview shows how black text looks on a background with the CIELCh color 67, 47.017, 104.702.



This preview shows how white text looks on a background with the CIELCh color 67, 47.017, 104.702.

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, 47.017, 104.702

Protanopia
67, 46.493, 95.359

Deuteranopia
67, 45.626, 78.793



Tritanopia
67, 10.757, 338.595

Trichromacy



Original Color
67, 47.017, 104.702

Protanomaly
67, 46.890, 99.268

Deuteranomaly
67, 44.735, 88.103

Tritanomaly
67, 14.236, 86.969

Monochromacy



Original Color
67, 47.017, 104.702

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.148, 108.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 47.017, 104.702 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(168, 167, 78)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 78)  
}
```

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(168, 167, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 47.017, 104.702 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(168, 167, 78) }
```

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

```
.border{ border-color:rgb(168, 167, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 167, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 167, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 167, 78);  
box-shadow:4px 4px 4px 4px rgb(168, 167,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 47.017, 104.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 78) }
```

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

```
.background{ background-color: rgb(168,  
167, 78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor