

# Converting Colors

CIELCh(67, 23.898, 108.404)

Have a look what the booklet for  
CIELCh(67, 23.898, 108.404)  
contains.

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**Color**

**CIELCh(67, 23.996, 108.647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5A67A
RGB	165, 166, 122
RGB Percent	65%, 65%, 48%
CMY	0.3533, 0.3494, 0.5219
CMYK	0.01, 0.00, 0.27, 0.35
HSL	61°, 20%, 56%
HSV	61°, 27%, 65%
XYZ	32.6252, 36.6320, 23.7352
YIQ	160.6850, 13.5280, -13.8960

# Conversions

## Conversions Part 2

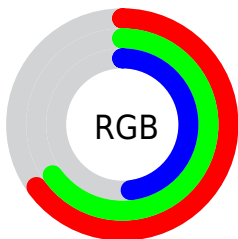
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 166, 123
Decimal	10856058
CIE <sub>Lab</sub>	67.00, -7.67, 22.74
CIE <sub>LCh</sub>	67, 23.996, 108.647
Yxy	36.6320, 0.3508, 0.3939
Android (android.graphics.Color)	4289046138 (0xFFA5A67A)
YUV	160.6850, -19.0717, 3.7843
Hunter-Lab	60.5244, -9.6985, 19.1159

# Details

The CIELCh color  $67, 23.996, 108.647$  is a light color, and the websafe version is hex  $999966$ . A complement of this color would be  $53, 25.532, 294.049$ , and the grayscale version is  $66, 0.008, 296.813$ .

A 20% lighter version of the original color is  $87, 23.847, 109.089$ , and  $47, 23.797, 107.976$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 32.799, 107.747$ , and if you desaturate by 10%, it is  $67, 15.015, 109.568$ .

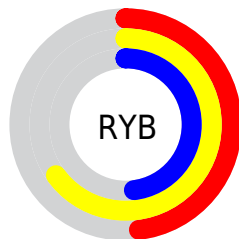
# Distribution



Red (65%)

Green (65%)

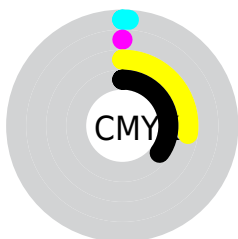
Blue (48%)



Red (48%)

Yellow (65%)

Blue (48%)

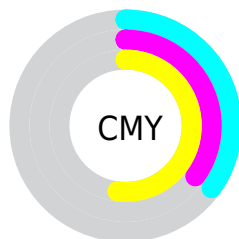


Cyan (1%)

Magenta (0%)

Yellow (27%)

Black (35%)



Cyan (35%)

Magenta (35%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 23.996, 108.647 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, 23.996, 108.647 by changing the saturation by 10% instead.



 67, 23.996,  
108.647


 67, 23.996,  
108.647


 100, 23.996,  
108.647


 57, 23.996,  
108.647


 87, 23.996,  
108.647

 47, 23.996,  
108.647

 97, 23.996,  
108.647

 37, 23.996,  
108.647

 27, 23.996,  
108.647

 17, 23.996,  
108.647

 7, 23.996, 108.647

 0, 23.996, 108.647

67, 23.996,  
108.647

67, 23.996,  
108.647

67, 32.799,  
107.747

67, 15.015,  
109.568

66, 41.291,  
106.880

68, 5.936, 110.479

66, 49.278,  
106.078

68, 3.185, 291.404

66, 56.471,  
105.377

69, 12.312,  
292.270

66, 62.489,  
104.821

69, 21.418,  
293.113

66, 66.916,  
104.453

70, 30.486,  
293.922

66, 69.537,  
104.293

71, 39.502,  
294.691

66, 70.282,

71, 48.455,  
295.420

104.255

■ 71, 48.647,  
295.564

# Harmonies

# Complementary

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



67, 23.996, 108.647



53, 25.532, 294.049

# Rectangle

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



67, 23.996, 108.647



67, 23.996, 158.647



67, 23.996, 288.647



67, 23.996, 338.647

# Sweetspot

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



67, 23.997, 108.651



86, 9.054, 110.333



56, 18.140, 22.705



46, 6.485, 110.200



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, 23.997, 108.651



85, 35.844, 108.099



65, 25.836, 128.457



36, 5.212, 110.229



59, 64.594, 104.242



6, 9.562, 111.443



# Inverse Universe

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



53, 25.532, 294.049



64, 38.783, 294.923



55, 26.746, 310.874



32, 5.325, 291.984



16, 89.022, 306.375



0, 9.561, 290.952



# Previews

## White Background



This preview shows how the CIELCh color 67, 23.996, 108.647 looks on a white background.

## Color Contrast Check

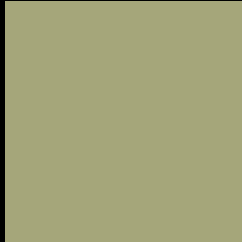
Large Text (above 18pt) WCAG AA × Fail

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, 23.996, 108.647 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

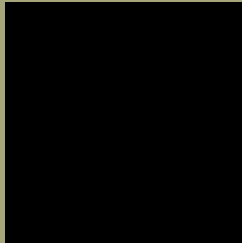
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 67, 23.996, 108.647**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 67, 23.996, 108.647.



This preview shows how white text looks on a background with the CIELCh color 67, 23.996, 108.647.

# 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, 23.996, 108.647


### Protanopia

67, 23.541, 95.405

### Deuteranopia

67, 23.524, 67.971





**Tritanopia**  
67, 8.526, 322.704

# Trichromacy



**Original Color**  
67, 23.996, 108.647

**Protanomaly**  
67, 23.680, 100.604

**Deuteranomaly**  
67, 22.414, 83.633

**Tritanomaly**  
67, 5.167, 77.796

# Monochromacy



**Original Color**  
67, 23.996, 108.647

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 8.818, 111.803

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 23.996, 108.647 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(165, 166, 122)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 122)  
}
```

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(165, 166, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 23.996, 108.647 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(165, 166, 122) }
```

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

```
.border{ border-color:rgb(165, 166, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 122);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 23.996, 108.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 122) }
```

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

```
.background{ background-color: rgb(165,  
166, 122) }
```

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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