

Converting Colors

CIELCh(68, 39.727, 105.360)

Have a look what the booklet for
CIELCh(68, 39.727, 105.360)
contains.

CIELCh(68, 39.604, 104.805)	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(68, 39.604, 104.805)

Conversions

Conversions Part 1

Format	Color
Hex	ABA95F
RGB	171, 169, 95
RGB Percent	67%, 66%, 37%
CMY	0.3285, 0.3364, 0.6266
CMYK	0.00, 0.01, 0.44, 0.33
HSL	58°, 31%, 52%
HSV	58°, 44%, 67%
XYZ	33.1488, 37.9720, 16.4584
YIQ	161.1620, 24.9460, -22.5900

Conversions

Conversions Part 2

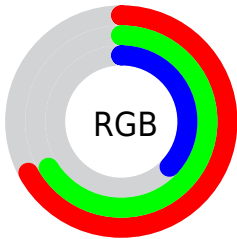
Format	Color
RYB	97, 171, 95
Decimal	11250015
CIELab	68.00, -10.12, 38.29
CIELCh	68, 39.604, 104.805
Yxy	37.9720, 0.3785, 0.4336
Android (android.graphics.Color)	4289440095 (0xFFABA95F)
YUV	161.1620, -32.6179, 8.6279
Hunter-Lab	61.6215, -11.8149, 27.2993

Details

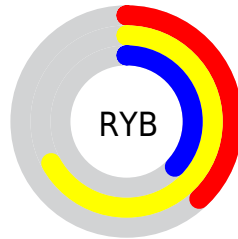
The CIELCh color **68, 39.604, 104.805** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **44, 44.237, 295.280**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 39.491, 104.521**, and **48, 39.546, 104.801** is the 20% darker color. If you saturate the color by 10%, you get **68, 47.783, 103.904**, and if you desaturate by 10%, it is **68, 30.986, 105.759**.

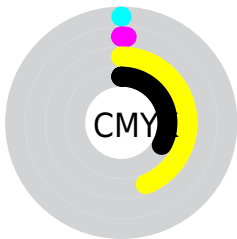
Distribution



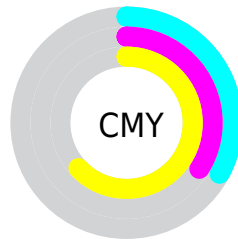
- Red (67%)
- Green (66%)
- Blue (37%)



- Red (38%)
- Yellow (67%)
- Blue (37%)



- Cyan (0%)
- Magenta (1%)
- Yellow (44%)
- Black (33%)





- Cyan (33%)
- Magenta (34%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 39.604, 104.805 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 68, 39.604, 104.805 by changing the saturation by 10% instead.

 68, 39.604,
104.805


 68, 39.604,
104.805


 100, 39.604,
104.805


 58, 39.604,
104.805


 88, 39.604,
104.805

 48, 39.604,
104.805

 98, 39.604,
104.805

 38, 39.604,
104.805

 28, 39.604,
104.805

 18, 39.604,
104.805

 8, 39.604, 104.805

 0, 39.604, 104.805

68, 39.604,
104.805

68, 39.604,
104.805

68, 47.783,
103.904

68, 30.986,
105.759

67, 55.249,
103.077

69, 22.108,
106.733

67, 61.622,
102.358

69, 13.086,
107.712

67, 66.457,
101.782

70, 3.996, 108.673

70, 5.115, 289.656

67, 69.388,
101.369

71, 14.217,
290.573

67, 70.522,
101.181

72, 23.288,
291.462

72, 32.314,
292.314

■ 73, 41.283,
293.125

Harmonies

Complementary

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



68, 39.604, 104.805



44, 44.237, 295.280

Rectangle

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



68, 39.604, 104.805



68, 39.604, 154.805



68, 39.604, 284.805



68, 39.604, 334.805

Sweetspot

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



68, 39.605, 104.808



88, 14.592, 107.826



49, 33.397, 21.498



47, 10.289, 107.615



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 39.605, 104.808



86, 57.526, 103.945



66, 43.359, 125.817



37, 5.203, 108.206



59, 64.133, 101.198



7, 10.905, 108.585

Inverse Universe

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



44, 44.237, 295.280



50, 66.469, 297.206



47, 46.462, 310.224



34, 5.310, 290.078



17, 88.947, 305.881



1, 11.102, 289.312

Previews

White Background



This preview shows how the CIELCh color 68, 39.604, 104.805 looks on a white background.

Color Contrast Check

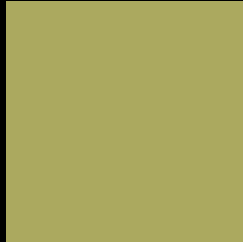
Large Text (above 18pt) WCAG AA × Fail

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 68, 39.604, 104.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

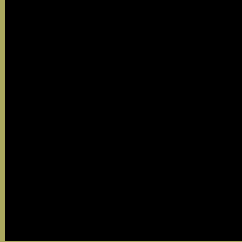
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 39.604, 104.805

Background



This preview shows how black text looks on a background with the CIELCh color 68, 39.604, 104.805.



This preview shows how white text looks on a background with the CIELCh color 68, 39.604, 104.805.

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
68, 39.604, 104.805

Protanopia
68, 39.371, 95.882

Deuteranopia
68, 38.241, 76.943



Tritanopia
68, 10.443, 337.142

Trichromacy



Original Color
68, 39.604, 104.805

Protanomaly
68, 39.477, 99.103

Deuteranomaly
68, 37.482, 87.302

Tritanomaly
68, 11.375, 79.567

Monochromacy



Original Color
68, 39.604, 104.805

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 14.822, 107.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 39.604, 104.805 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(171, 169, 95)` looks like.

```
.text, #text, p{  
    color:rgb(171, 169, 95)  
}
```

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(171, 169, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 169, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 39.604, 104.805 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(171, 169, 95) }
```

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

```
.border{ border-color:rgb(171, 169, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 169, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 169, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 169, 95);  
box-shadow:4px 4px 4px 4px rgb(171, 169,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 39.604, 104.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 169, 95) }
```

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

```
.background{ background-color: rgb(171,  
169, 95) }
```

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