

Converting Colors

CIELCh(68, 61.225, 103.994)

Have a look what the booklet for
CIELCh(68, 61.225, 103.994)
contains.

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Color

CIELCh(68, 61.341, 103.874)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB30
RGB	171, 171, 48
RGB Percent	67%, 67%, 19%
CMY	0.3296, 0.3296, 0.8120
CMYK	0.00, 0.00, 0.72, 0.33
HSL	60°, 56%, 43%
HSV	60°, 72%, 67%
XYZ	31.8690, 37.9720, 8.4402
YIQ	156.9780, 39.4830, -38.2530

Conversions

Conversions Part 2

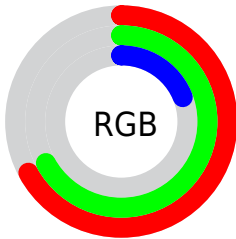
Format	Color
RYB	48, 171, 48
Decimal	11250480
CIELab	68.00, -14.71, 59.55
CIELCh	68, 61.341, 103.874
Yxy	37.9720, 0.4071, 0.4851
Android (android.graphics.Color)	4289440560 (0xFFABAB30)
YUV	156.9780, -53.7262, 12.2973
Hunter-Lab	61.6215, -15.5220, 35.0141

Details

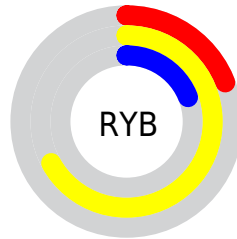
The CIELCh color **68, 61.341, 103.874** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **29, 77.014, 302.032**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 61.150, 103.880**, and **48, 55.216, 104.854** is the 20% darker color. If you saturate the color by 10%, you get **68, 66.636, 103.356**, and if you desaturate by 10%, it is **68, 54.594, 104.553**.

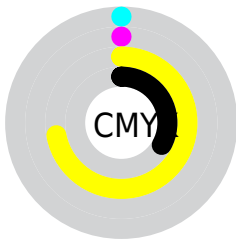
Distribution



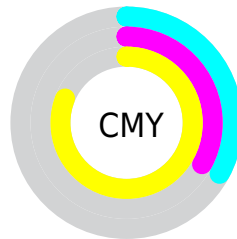
- Red (67%)
- Green (67%)
- Blue (19%)



- Red (19%)
- Yellow (67%)
- Blue (19%)



- Cyan (0%)
- Magenta (0%)
- Yellow (72%)
- Black (33%)





- Cyan (33%)
- Magenta (33%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 61.341, 103.874 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, 61.341, 103.874 by changing the saturation by 10% instead.


 68, 61.341,
103.874


 68, 61.341,
103.874


 100, 61.341,
103.874


 58, 61.341,
103.874


 88, 61.341,
103.874

 48, 61.341,
103.874

 98, 61.341,
103.874

 38, 61.341,
103.874

 28, 61.341,
103.874

 18, 61.341,
103.874

 8, 61.341, 103.874

 0, 61.341, 103.874

■ 68, 61.341,
103.874

■ 68, 61.341,
103.874

■ 68, 66.636,
103.356

■ 68, 54.594,
104.553

■ 68, 70.100,
103.021

■ 68, 46.821,
105.346

■ 68, 71.818,
102.856

■ 69, 38.376,
106.219

■ 69, 29.511,
107.142

■ 69, 20.397,
108.090

■ 69, 11.141,
109.044

■ 70, 1.815, 109.966

■ 70, 7.535, 290.935

■ 71, 16.877,
291.832

Harmonies

Complementary

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



68, 61.341, 103.874



29, 77.014, 302.032

Rectangle

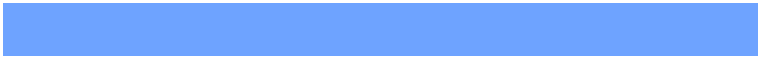
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 61.341, 103.874



68, 61.341, 153.874



68, 61.341, 283.874



68, 61.341, 333.874

Sweetspot

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



68, 61.341, 103.876



87, 25.264, 108.049



40, 57.849, 30.775



47, 17.089, 107.799



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, 61.341, 103.876



86, 83.576, 103.145



64, 67.068, 126.308



37, 5.341, 109.294



60, 65.376, 102.856



7, 11.345, 110.180

Inverse Universe

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



29, 77.014, 302.032



31, 111.764, 304.930



35, 74.690, 312.462



33, 5.457, 291.129



17, 90.272, 306.287



1, 11.347, 290.180

Previews

White Background



This preview shows how the CIELCh color 68, 61.341, 103.874 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 68, 61.341, 103.874 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, 61.341, 103.874

Background



This preview shows how black text looks on a background with the CIELCh color 68, 61.341, 103.874.



This preview shows how white text looks on a background with the CIELCh color 68, 61.341, 103.874.

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, 61.341, 103.874

Protanopia

68, 60.572, 95.280

Deuteranopia

68, 59.212, 81.519



Tritanopia
68, 10.668, 342.214

Trichromacy



Original Color
68, 61.341, 103.874

Protanomaly
68, 60.881, 98.337

Deuteranomaly
68, 58.829, 89.748

Tritanomaly
68, 21.090, 92.038

Monochromacy



Original Color
68, 61.341, 103.874

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 24.628, 107.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 61.341, 103.874 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, 171, 48)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 48)  
}
```

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, 171, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 61.341, 103.874 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, 171, 48) }
```

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

```
.border{ border-color:rgb(171, 171, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 48);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 61.341, 103.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 48) }
```

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

```
.background{ background-color: rgb(171,  
171, 48) }
```

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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