

Converting Colors

CIELCh(68, 53.310, 105.798)

Have a look what the booklet for
CIELCh(68, 53.310, 105.798)
contains.

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Color

CIELCh(68, 53.337, 105.627)

Conversions

Conversions Part 1

Format	Color
Hex	A9AB44
RGB	169, 171, 68
RGB Percent	66%, 67%, 27%
CMY	0.3373, 0.3294, 0.7334
CMYK	0.01, 0.00, 0.60, 0.33
HSL	61°, 43%, 47%
HSV	61°, 60%, 67%
XYZ	31.9630, 37.9720, 11.1116
YIQ	158.6600, 31.8710, -32.4570

Conversions

Conversions Part 2

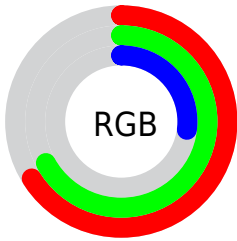
Format	Color
RYB	68, 171, 70
Decimal	11119428
CIELab	68.00, -14.37, 51.37
CIELCh	68, 53.337, 105.627
Yxy	37.9720, 0.3944, 0.4685
Android (android.graphics.Color)	4289309508 (0xFFA9AB44)
YUV	158.6600, -44.6954, 9.0682
Hunter-Lab	61.6215, -15.2497, 32.4438

Details

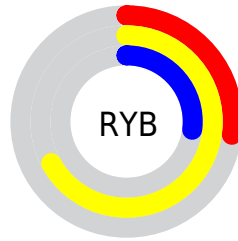
The CIELCh color **68, 53.337, 105.627** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **35, 63.596, 299.866**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 53.416, 105.698**, and **48, 53.403, 105.660** is the 20% darker color. If you saturate the color by 10%, you get **68, 60.294, 104.971**, and if you desaturate by 10%, it is **68, 45.426, 106.405**.

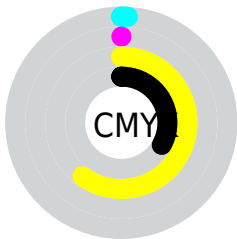
Distribution



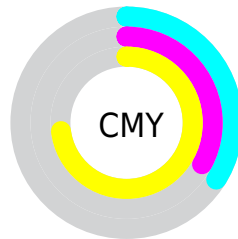
- Red (66%)
- Green (67%)
- Blue (27%)



- Red (27%)
- Yellow (67%)
- Blue (27%)



- Cyan (1%)
- Magenta (0%)
- Yellow (60%)
- Black (33%)





- Cyan (34%)
- Magenta (33%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 53.337, 105.627 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, 53.337, 105.627 by changing the saturation by 10% instead.


 68, 53.337,
105.627


 68, 53.337,
105.627


 100, 53.337,
105.627


 58, 53.337,
105.627


 88, 53.337,
105.627

 48, 53.337,
105.627

 98, 53.337,
105.627

 38, 53.337,
105.627

 28, 53.337,
105.627

 18, 53.337,
105.627

 8, 53.337, 105.627

 0, 53.337, 105.627

■ 68, 53.337,
105.627

■ 68, 53.337,
105.627

■ 68, 60.294,
104.971

■ 68, 45.426,
106.405

■ 68, 65.874,
104.473

■ 68, 36.892,
107.258

■ 68, 69.677,
104.175

■ 69, 27.973,
108.158

■ 68, 71.856,
104.052

■ 69, 18.826,
109.080

■ 70, 9.550, 110.003

■ 70, 0.213, 110.687

■ 70, 9.141, 291.823

■ 71, 18.484,
292.686

■ 72, 27.793,
293.515

Harmonies

Complementary

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



68, 53.337, 105.627



35, 63.596, 299.866

Rectangle

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



68, 53.337, 105.627



68, 53.337, 155.627



68, 53.337, 285.627



68, 53.337, 335.627

Sweetspot

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



68, 53.338, 105.629



87, 20.710, 109.257



43, 47.056, 28.233



47, 14.490, 108.994



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, 53.338, 105.629



86, 75.482, 104.801



64, 58.190, 127.033



37, 5.342, 110.088



60, 65.399, 104.040



7, 11.350, 111.309

Inverse Universe

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



35, 63.596, 299.866



38, 95.203, 302.567



40, 63.371, 312.548



33, 5.459, 291.861



17, 90.163, 306.361



1, 11.349, 290.803

Previews

White Background



This preview shows how the CIELCh color 68, 53.337, 105.627 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, 53.337, 105.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

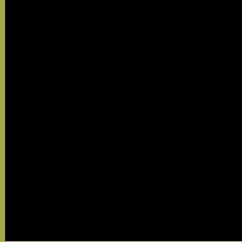
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 53.337, 105.627

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.337, 105.627.



This preview shows how white text looks on a background with the CIELCh color 68, 53.337, 105.627.

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, 53.337, 105.627

Protanopia
68, 52.457, 95.387

Deuteranopia
68, 51.122, 80.607



Tritanopia
68, 10.172, 335.630

Trichromacy



Original Color
68, 53.337, 105.627

Protanomaly
68, 52.771, 99.356

Deuteranomaly
68, 50.493, 90.031

Tritanomaly
68, 16.526, 92.737

Monochromacy



Original Color
68, 53.337, 105.627

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 20.282, 108.024

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 53.337, 105.627 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(169, 171, 68)` looks like.

```
.text, #text, p{  
    color:rgb(169, 171, 68)  
}
```

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(169, 171, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 171, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.337, 105.627 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(169, 171, 68) }
```

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

```
.border{ border-color:rgb(169, 171, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 171, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 171, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 171, 68);  
box-shadow:4px 4px 4px 4px rgb(169, 171,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.337, 105.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 171, 68) }
```

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

```
.background{ background-color: rgb(169,  
171, 68) }
```

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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