

Converting Colors

CIELCh(68, 53.326, 104.731)

Have a look what the booklet for
CIELCh(68, 53.326, 104.731)
contains.

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Color

CIELCh(68, 53.332, 105.153)

Conversions

Conversions Part 1

Format	Color
Hex	AAAB44
RGB	170, 171, 68
RGB Percent	67%, 67%, 27%
CMY	0.3343, 0.3303, 0.7342
CMYK	0.01, 0.00, 0.60, 0.33
HSL	61°, 43%, 47%
HSV	61°, 60%, 67%
XYZ	32.0808, 37.9720, 11.0716
YIQ	158.9590, 32.4670, -32.2450

Conversions

Conversions Part 2

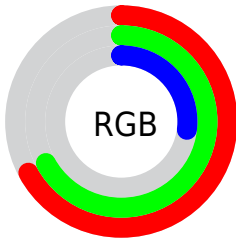
Format	Color
RYB	68, 171, 69
Decimal	11184964
CIELab	68.00, -13.94, 51.48
CIELCh	68, 53.332, 105.153
Yxy	37.9720, 0.3955, 0.4681
Android (android.graphics.Color)	4289375044 (0xFFAAAB44)
YUV	158.9590, -44.8428, 9.6830
Hunter-Lab	61.6215, -14.9084, 32.4823

Details

The CIELCh color **68, 53.332, 105.153** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **35, 63.632, 299.686**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 53.419, 105.257**, and **48, 53.380, 105.147** is the 20% darker color. If you saturate the color by 10%, you get **68, 60.272, 104.478**, and if you desaturate by 10%, it is **68, 45.435, 105.947**.

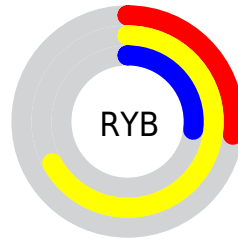
Distribution



Red (67%)

Green (67%)

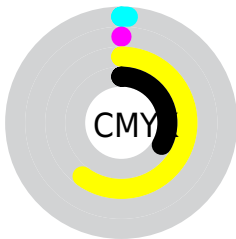
Blue (27%)



Red (27%)

Yellow (67%)

Blue (27%)

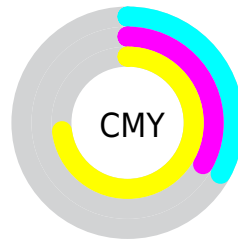


Cyan (1%)

Magenta (0%)

Yellow (60%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 53.332, 105.153 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, 53.332, 105.153 by changing the saturation by 10% instead.


 68, 53.332,
105.153


 68, 53.332,
105.153


 100, 53.332,
105.153


 58, 53.332,
105.153


 88, 53.332,
105.153

 48, 53.332,
105.153

 98, 53.332,
105.153

 38, 53.332,
105.153

 28, 53.332,
105.153

 18, 53.332,
105.153

 8, 53.332, 105.153

 0, 53.332, 105.153

■ 68, 53.332,
105.153

■ 68, 53.332,
105.153

■ 68, 60.272,
104.478

■ 68, 45.435,
105.947

■ 68, 65.833,
103.956

■ 68, 36.914,
106.815

■ 68, 69.615,
103.624

■ 69, 28.007,
107.729

■ 68, 71.771,
103.461

■ 69, 18.870,
108.664

■ 69, 9.607, 109.602

■ 70, 0.281, 110.347

■ 70, 9.062, 291.454

■ 71, 18.394,
292.331

■ 72, 27.693,
293.176

Harmonies

Complementary

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



68, 53.332, 105.153



35, 63.632, 299.686

Rectangle

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



68, 53.332, 105.153



68, 53.332, 155.153



68, 53.332, 285.153



68, 53.332, 335.153

Sweetspot

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



68, 53.333, 105.155



87, 20.707, 108.852



43, 47.610, 27.352



47, 14.488, 108.584



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, 53.333, 105.155



86, 75.473, 104.305



64, 57.920, 126.448



36, 5.211, 109.699



59, 64.571, 103.454



6, 9.558, 110.727

Inverse Universe

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



35, 63.632, 299.686



37, 95.257, 302.440



40, 63.350, 312.062



32, 5.324, 291.494



16, 89.095, 306.325



0, 9.560, 290.512

Previews

White Background



This preview shows how the CIELCh color 68, 53.332, 105.153 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, 53.332, 105.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

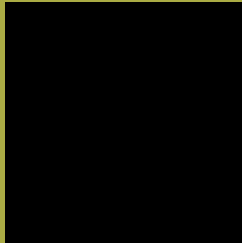
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 53.332, 105.153

Background



This preview shows how black text looks on a background with the CIELCh color 68, 53.332, 105.153.



This preview shows how white text looks on a background with the CIELCh color 68, 53.332, 105.153.

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, 53.332, 105.153

Protanopia
68, 52.895, 95.412

Deuteranopia
68, 51.122, 80.607



Tritanopia
68, 10.443, 337.142

Trichromacy



Original Color
68, 53.332, 105.153

Protanomaly
68, 52.771, 99.356

Deuteranomaly
68, 50.942, 90.105

Tritanomaly
68, 16.645, 91.374

Monochromacy



Original Color
68, 53.332, 105.153

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, 53.332, 105.153 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(170, 171, 68)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 171, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 53.332, 105.153 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(170, 171, 68) }
```

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

```
.border{ border-color:rgb(170, 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(170, 171, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 68);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 53.332, 105.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 68) }
```

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

```
.background{ background-color: rgb(170,  
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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