

Converting Colors

CIELCh(70, 51.925, 105.331)

Have a look what the booklet for
CIELCh(70, 51.925, 105.331)
contains.

CIELCh(70, 51.910, 105.417)	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(70, 51.910, 105.417)

Conversions

Conversions Part 1

Format	Color
Hex	AFB04C
RGB	175, 176, 76
RGB Percent	69%, 69%, 30%
CMY	0.3132, 0.3093, 0.7015
CMYK	0.01, 0.00, 0.57, 0.31
HSL	61°, 40%, 49%
HSV	61°, 57%, 69%
XYZ	34.5645, 40.7494, 12.9019
YIQ	164.3010, 31.5040, -31.3120

Conversions

Conversions Part 2

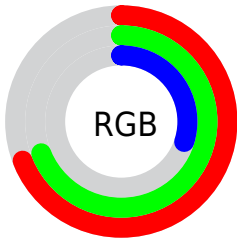
Format	Color
RYB	76, 176, 77
Decimal	11513932
CIELab	70.00, -13.80, 50.04
CIELCh	70, 51.910, 105.417
Yxy	40.7494, 0.3918, 0.4619
Android (android.graphics.Color)	4289704012 (0xFFAFB04C)
YUV	164.3010, -43.5324, 9.3830
Hunter-Lab	63.8353, -15.0603, 32.7015

Details

The CIELCh color **70, 51.910, 105.417** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **38, 61.082, 298.976**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 51.873, 104.998**, and **50, 52.034, 105.537** is the 20% darker color. If you saturate the color by 10%, you get **70, 59.404, 104.697**, and if you desaturate by 10%, it is **70, 43.561, 106.243**.

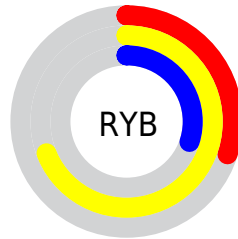
Distribution



Red (69%)

Green (69%)

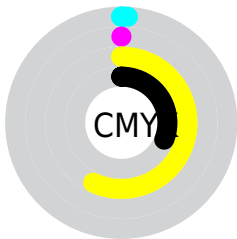
Blue (30%)



Red (30%)

Yellow (69%)

Blue (30%)

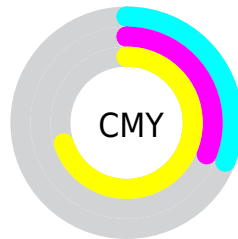


Cyan (1%)

Magenta (0%)

Yellow (57%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 51.910, 105.417 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 70, 51.910, 105.417 by changing the saturation by 10% instead.


 70, 51.910,
105.417


 70, 51.910,
105.417


 100, 51.910,
105.417


 60, 51.910,
105.417


 90, 51.910,
105.417

 50, 51.910,
105.417

 40, 51.910,
105.417

 30, 51.910,
105.417

 20, 51.910,
105.417

 10, 51.910,
105.417

 0, 51.910, 105.417

70, 51.910,
105.417

70, 51.910,
105.417

70, 59.404,
104.697

70, 43.561,
106.243

70, 65.633,
104.117

70, 34.665,
107.131

70, 70.156,
103.719

71, 25.435,
108.057

70, 72.760,
103.518

71, 16.010,
108.998

70, 73.429,
103.470

72, 6.482, 109.933

72, 3.091, 290.885

73, 12.671,
291.774

73, 22.231,
292.643

■ 74, 31.751,
293.476

Harmonies

Complementary

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



70, 51.910, 105.417



38, 61.082, 298.976

Rectangle

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



70, 51.910, 105.417



70, 51.910, 155.417



70, 51.910, 285.417



70, 51.910, 335.417

Sweetspot

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



70, 51.911, 105.419



90, 20.109, 108.949



46, 45.629, 26.505



48, 13.427, 108.766



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 51.911, 105.419



89, 74.393, 104.543



67, 56.286, 126.544



38, 5.471, 109.697



61, 66.193, 103.463



8, 13.299, 110.702

Inverse Universe

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



38, 61.082, 298.976



41, 92.280, 301.618



42, 61.225, 311.909



34, 5.591, 291.507



17, 91.334, 306.324



1, 13.318, 290.482

Previews

White Background



This preview shows how the CIELCh color 70, 51.910, 105.417 looks on a white background.

Color Contrast Check

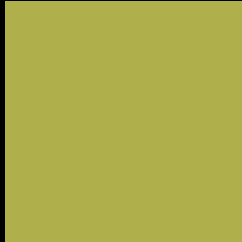
Large Text (above 18pt) WCAG AA × Fail

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 70, 51.910, 105.417 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 70, 51.910, 105.417

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.910, 105.417.



This preview shows how white text looks on a background with the CIELCh color 70, 51.910, 105.417.

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

70, 51.910, 105.417

Protanopia

70, 51.009, 95.481

Deuteranopia

70, 49.791, 79.891



Tritanopia
70, 10.388, 337.120

Trichromacy



Original Color
70, 51.910, 105.417

Protanomaly
70, 51.389, 99.030

Deuteranomaly
70, 49.109, 89.490

Tritanomaly
70, 16.029, 90.966

Monochromacy



Original Color
70, 51.910, 105.417

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 19.635, 108.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.910, 105.417 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(175, 176, 76)` looks like.

```
.text, #text, p{  
    color:rgb(175, 176, 76)  
}
```

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(175, 176, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 176, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.910, 105.417 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(175, 176, 76) }
```

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

```
.border{ border-color:rgb(175, 176, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 176, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 176, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 176, 76);  
box-shadow:4px 4px 4px 4px rgb(175, 176,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.910, 105.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 176, 76) }
```

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

```
.background{ background-color: rgb(175,  
176, 76) }
```

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