

Converting Colors

CIELCh(70, 49.101, 119.343)

Have a look what the booklet for
CIELCh(70, 49.101, 119.343)
contains.

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Color

CIELCh(70, 49.153, 119.323)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 99B55A |
| RGB | 153, 181, 90 |
| RGB Percent | 60%, 71%, 35% |
| CMY | 0.3986, 0.2887, 0.6457 |
| CMYK | 0.15, 0.00, 0.50, 0.29 |
| HSL | 78°, 38%, 53% |
| HSV | 78°, 50%, 71% |
| XYZ | 31.6651, 40.7494, 15.9459 |
| YIQ | 162.2540, 12.5230, -34.2370 |

Conversions

Conversions Part 2

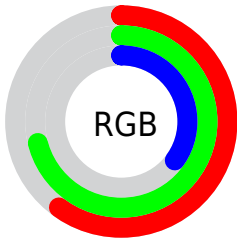
| Format | Color |
|-------------------------------------|---|
| RYB | 90, 181, 118 |
| Decimal | 10073434 |
| CIELab | 70.00, -24.07, 42.86 |
| CIELCh | 70, 49.153, 119.323 |
| Yxy | 40.7494, 0.3584, 0.4612 |
| Android (android.graphics.Color) | 4288263514 (0xFF99B55A) |
| YUV | 162.2540, -35.6212, -8.1158 |
| Hunter-Lab | 63.8353, -23.1678, 29.8742 |

Details

The CIELCh color **70, 49.153, 119.323** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **45, 54.785, 305.793**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 49.250, 119.259**, and **50, 48.962, 119.242** is the 20% darker color. If you saturate the color by 10%, you get **69, 57.842, 118.943**, and if you desaturate by 10%, it is **71, 39.847, 119.821**.

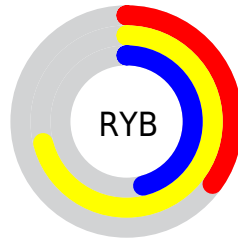
Distribution



Red (60%)

Green (71%)

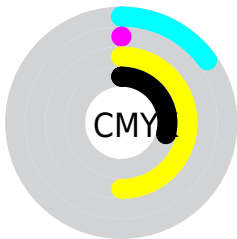
Blue (35%)



Red (35%)

Yellow (71%)

Blue (46%)

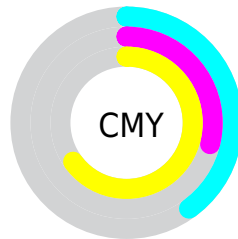


Cyan (15%)

Magenta (0%)

Yellow (50%)

Black (29%)



Cyan (40%)


Magenta (29%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 49.153, 119.323 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, 49.153, 119.323 by changing the saturation by 10% instead.


 70, 49.153,
119.323


 70, 49.153,
119.323


 100, 49.153,
119.323


 60, 49.153,
119.323


 90, 49.153,
119.323

 50, 49.153,
119.323

 40, 49.153,
119.323

 30, 49.153,
119.323

 20, 49.153,
119.323

 10, 49.153,
119.323

 0, 49.153, 119.323

70, 49.153,
119.323

70, 49.153,
119.323

69, 57.842,
118.943

71, 39.847,
119.821

69, 65.572,
118.753

71, 30.160,
120.375

68, 71.918,
118.859

72, 20.252,
120.951

68, 76.463,
119.368

73, 10.235,
121.526

68, 79.317,
120.226

74, 0.180, 122.342

75, 9.859, 302.603

76, 19.845,
303.104

77, 29.752,
303.570

■ 78, 39.559,
304.002

Harmonies

Complementary

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



70, 49.153, 119.323



45, 54.785, 305.793

Rectangle

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



70, 49.153, 119.323



70, 49.153, 169.323



70, 49.153, 299.323



70, 49.153, 349.323

Sweetspot

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



70, 49.154, 119.325



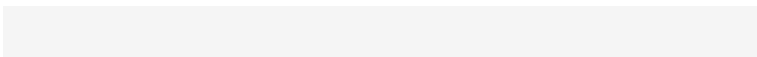
91, 18.567, 121.236



56, 33.528, 49.068



48, 12.653, 121.117



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 49.154, 119.325



88, 70.941, 118.919



67, 56.196, 135.918



38, 5.748, 121.575



59, 70.736, 120.053



9, 16.068, 126.127

Inverse Universe

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



45, 54.785, 305.793



51, 81.488, 306.763



50, 57.289, 320.914



36, 5.854, 302.625



20, 89.507, 308.550



1, 15.601, 299.126

Previews

White Background



This preview shows how the CIELCh color 70, 49.153, 119.323 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 70, 49.153, 119.323 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, 49.153, 119.323

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.153, 119.323.



This preview shows how white text looks on a background with the CIELCh color 70, 49.153, 119.323.

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





Tritanopia
70, 7.927, 275.110

Trichromacy



Original Color
70, 49.153, 119.323

Protanomaly
70, 45.842, 104.983

Deuteranomaly
70, 41.907, 95.113

Tritanomaly
70, 14.197, 131.352

Monochromacy



Original Color
70, 49.153, 119.323

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 18.559, 122.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.153, 119.323 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(153, 181, 90)` looks like.

```
.text, #text, p{  
    color:rgb(153, 181, 90)  
}
```

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(153, 181, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 181, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.153, 119.323 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(153, 181, 90) }
```

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

```
.border{ border-color:rgb(153, 181, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 181, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 181, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 181, 90);  
box-shadow:4px 4px 4px 4px rgb(153, 181,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.153, 119.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 181, 90) }
```

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

```
.background{ background-color: rgb(153,  
181, 90) }
```

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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