

Converting Colors

CIELCh(70, 49.342, 120.244)

Have a look what the booklet for
CIELCh(70, 49.342, 120.244)
contains.

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Color

CIELCh(70, 49.342, 120.244)

Conversions

Conversions Part 1

Format	Color
Hex	98B65B
RGB	152, 182, 91
RGB Percent	60%, 71%, 36%
CMY	0.4050, 0.2873, 0.6441
CMYK	0.17, 0.00, 0.50, 0.29
HSL	80°, 38%, 53%
HSV	80°, 50%, 71%
XYZ	31.4516, 40.7494, 16.0501
YIQ	162.6560, 11.3310, -34.6610

Conversions

Conversions Part 2

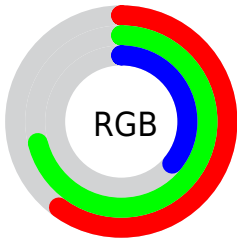
Format	Color
RYB	91, 182, 121
Decimal	10008155
CIELab	70.00, -24.85, 42.63
CIELCh	70, 49.342, 120.244
Yxy	40.7494, 0.3564, 0.4617
Android (android.graphics.Color)	4288198235 (0xFF98B65B)
YUV	162.6560, -35.3264, -9.3453
Hunter-Lab	63.8353, -23.7649, 29.7774

Details

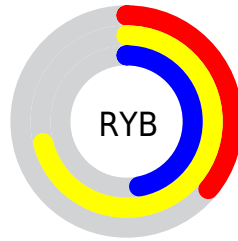
The CIELCh color $70, 49.342, 120.244$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $45, 54.778, 306.435$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 49.414, 120.131$, and $50, 49.218, 120.208$ is the 20% darker color. If you saturate the color by 10%, you get $69, 58.110, 119.878$, and if you desaturate by 10%, it is $71, 39.963, 120.727$.

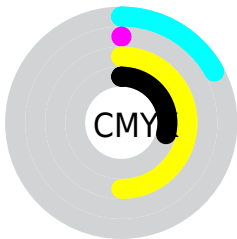
Distribution



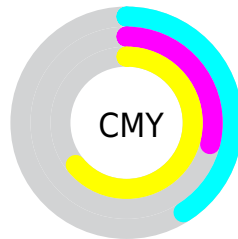
- Red (60%)
- Green (71%)
- Blue (36%)



- Red (36%)
- Yellow (71%)
- Blue (47%)



- Cyan (17%)
- Magenta (0%)
- Yellow (50%)
- Black (29%)



- Cyan (41%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.342, 120.244 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, 49.342, 120.244 by changing the saturation by 10% instead.

 70, 49.342,
120.244

 70, 49.342,
120.244

 100, 49.342,
120.244


 60, 49.342,
120.244


 90, 49.342,
120.244

 50, 49.342,
120.244

 40, 49.342,
120.244

 30, 49.342,
120.244

 20, 49.342,
120.244

 10, 49.342,
120.244

 0, 49.342, 120.244

70, 49.342,
120.244

70, 49.342,
120.244

69, 58.110,
119.878

71, 39.963,
120.727

69, 65.926,
119.704

71, 30.208,
121.265

68, 72.366,
119.829

72, 20.238,
121.824

68, 77.013,
120.364

73, 10.161,
122.381

68, 79.988,
121.269

74, 0.054, 123.940

75, 10.033,
303.417

76, 20.061,
303.898

77, 30.003,
304.344

■ 78, 39.840,
304.756

Harmonies

Complementary

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



70, 49.342, 120.244



45, 54.778, 306.435

Rectangle

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



70, 49.342, 120.244



70, 49.342, 170.244



70, 49.342, 300.244



70, 49.342, 350.244

Sweetspot

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



70, 49.343, 120.246



92, 18.801, 122.093



56, 33.302, 50.701



49, 12.927, 121.975



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 49.343, 120.246



88, 71.905, 119.852



67, 56.437, 136.346



38, 5.769, 122.421



59, 71.218, 121.087



9, 16.161, 127.073

Inverse Universe

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



45, 54.778, 306.435



52, 82.191, 307.351



50, 57.390, 321.426



36, 5.872, 303.432



20, 89.154, 308.862



1, 15.631, 299.749

Previews

White Background



This preview shows how the CIELCh color 70, 49.342, 120.244 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, 49.342, 120.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

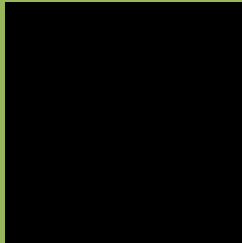
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 49.342, 120.244

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.342, 120.244.



This preview shows how white text looks on a background with the CIELCh color 70, 49.342, 120.244.

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

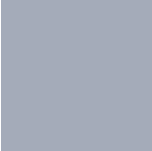
70, 49.342, 120.244

Protanopia

70, 45.208, 96.085

Deuteranopia

70, 41.765, 77.987



Tritanopia
70, 8.024, 272.642

Trichromacy



Original Color
70, 49.342, 120.244

Protanomaly
70, 45.838, 105.524

Deuteranomaly
70, 41.412, 95.046

Tritanomaly
70, 14.355, 132.740

Monochromacy



Original Color
70, 49.342, 120.244

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 18.579, 121.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.342, 120.244 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(152, 182, 91)` looks like.

```
.text, #text, p{  
    color:rgb(152, 182, 91)  
}
```

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(152, 182, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 182, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.342, 120.244 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(152, 182, 91) }
```

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

```
.border{ border-color:rgb(152, 182, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 182, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 182, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 182, 91);  
box-shadow:4px 4px 4px 4px rgb(152, 182,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.342, 120.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 182, 91) }
```

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

```
.background{ background-color: rgb(152,  
182, 91) }
```

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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