

Converting Colors

CIELCh(70, 50.146, 110.623)

Have a look what the booklet for
CIELCh(70, 50.146, 110.623)
contains.

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Color

CIELCh(70, 50.263, 110.583)

Conversions

Conversions Part 1

Format	Color
Hex	A7B252
RGB	167, 178, 82
RGB Percent	65%, 70%, 32%
CMY	0.3445, 0.3013, 0.6778
CMYK	0.06, 0.00, 0.54, 0.30
HSL	67°, 38%, 51%
HSV	67°, 54%, 70%
XYZ	33.4520, 40.7494, 14.1152
YIQ	163.7670, 24.2600, -32.1880

Conversions

Conversions Part 2

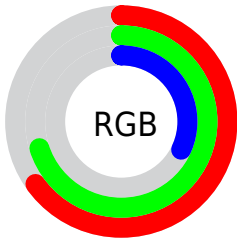
Format	Color
RYB	82, 178, 93
Decimal	10990162
CIELab	70.00, -17.67, 47.05
CIELCh	70, 50.263, 110.583
Yxy	40.7494, 0.3788, 0.4614
Android (android.graphics.Color)	4289180242 (0xFFA7B252)
YUV	163.7670, -40.3111, 2.8353
Hunter-Lab	63.8353, -18.1711, 31.5745

Details

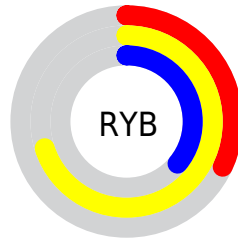
The CIELCh color **70, 50.263, 110.583** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **41, 58.127, 300.927**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 50.529, 110.639**, and **50, 50.104, 110.211** is the 20% darker color. If you saturate the color by 10%, you get **70, 58.173, 110.015**, and if you desaturate by 10%, it is **70, 41.602, 111.268**.

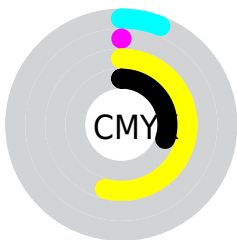
Distribution



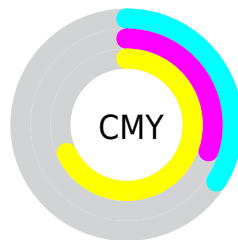
- Red (65%)
- Green (70%)
- Blue (32%)



- Red (32%)
- Yellow (70%)
- Blue (36%)



- Cyan (6%)
- Magenta (0%)
- Yellow (54%)
- Black (30%)





- Cyan (34%)
- Magenta (30%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.263, 110.583 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, 50.263, 110.583 by changing the saturation by 10% instead.


 70, 50.263,
110.583


 70, 50.263,
110.583


 100, 50.263,
110.583


 60, 50.263,
110.583


 90, 50.263,
110.583

 50, 50.263,
110.583

 40, 50.263,
110.583

 30, 50.263,
110.583

 20, 50.263,
110.583

 10, 50.263,
110.583

 0, 50.263, 110.583

70, 50.263,
110.583

70, 50.263,
110.583

70, 58.173,
110.015

70, 41.602,
111.268

69, 64.947,
109.619

71, 32.463,
112.018

69, 70.141,
109.466

71, 23.036,
112.801

69, 73.396,
109.617

72, 13.442,
113.593

69, 74.729,
109.810

72, 3.765, 114.373

73, 5.943, 295.145

74, 15.643,
295.879

74, 25.308,
296.581

■ 75, 34.919,
297.247

Harmonies

Complementary

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



70, 50.263, 110.583



41, 58.127, 300.927

Rectangle

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



70, 50.263, 110.583



70, 50.263, 160.583



70, 50.263, 290.583



70, 50.263, 340.583

Sweetspot

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



70, 50.264, 110.585



91, 19.184, 113.404



49, 40.311, 32.291



49, 13.048, 113.243



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, 50.264, 110.585



88, 72.872, 109.909



67, 55.741, 130.009



38, 5.494, 113.952



60, 66.780, 109.729



8, 13.423, 116.766

Inverse Universe

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



41, 58.127, 300.927



45, 88.326, 302.892



45, 59.077, 314.827



35, 5.612, 295.449



18, 90.708, 306.753



1, 13.352, 293.656

Previews

White Background



This preview shows how the CIELCh color 70, 50.263, 110.583 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, 50.263, 110.583 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, 50.263, 110.583

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.263, 110.583.



This preview shows how white text looks on a background with the CIELCh color 70, 50.263, 110.583.

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, 50.263, 110.583

Protanopia

70, 48.619, 95.821

Deuteranopia

70, 46.851, 79.248



Tritanopia
70, 8.073, 318.165

Trichromacy



Original Color
70, 50.263, 110.583

Protanomaly
70, 48.843, 101.610

Deuteranomaly
70, 46.084, 91.676

Tritanomaly
70, 14.708, 105.577

Monochromacy



Original Color
70, 50.263, 110.583

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 19.157, 113.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.263, 110.583 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(167, 178, 82)` looks like.

```
.text, #text, p{  
    color:rgb(167, 178, 82)  
}
```

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(167, 178, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 178, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.263, 110.583 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(167, 178, 82) }
```

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

```
.border{ border-color:rgb(167, 178, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 178, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 178, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 178, 82);  
box-shadow:4px 4px 4px 4px rgb(167, 178,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.263, 110.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 178, 82) }
```

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

```
.background{ background-color: rgb(167,  
178, 82) }
```

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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