

Converting Colors

CIELCh(70, 33.331, 121.879)

Have a look what the booklet for
CIELCh(70, 33.331, 121.879)
contains.

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Color

CIELCh(70, 33.331, 121.879)

Conversions

Conversions Part 1

Format	Color
Hex	9EB377
RGB	158, 179, 119
RGB Percent	62%, 70%, 47%
CMY	0.3811, 0.2987, 0.5340
CMYK	0.12, 0.00, 0.34, 0.30
HSL	81°, 28%, 58%
HSV	81°, 34%, 70%
XYZ	33.4713, 40.7494, 23.5025
YIQ	165.8810, 6.7440, -23.1120

Conversions

Conversions Part 2

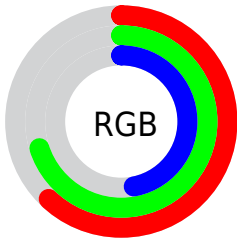
Format	Color
RYB	119, 179, 140
Decimal	10400631
CIELab	70.00, -17.60, 28.30
CIELCh	70, 33.331, 121.879
Yxy	40.7494, 0.3425, 0.4170
Android (android.graphics.Color)	4288590711 (0xFF9EB377)
YUV	165.8810, -23.1123, -6.9116
Hunter-Lab	63.8353, -18.1173, 22.8557

Details

The CIELCh color **70, 33.331, 121.879** is a light color, and the websafe version is hex **999966**. A complement of this color would be **54, 35.494, 305.758**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 33.365, 122.183**, and **50, 32.955, 121.673** is the 20% darker color. If you saturate the color by 10%, you get **69, 42.901, 121.371**, and if you desaturate by 10%, it is **71, 23.507, 122.421**.

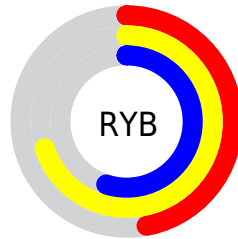
Distribution



Red (62%)

Green (70%)

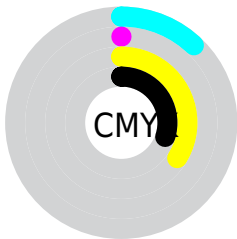
Blue (47%)



Red (47%)

Yellow (70%)

Blue (55%)

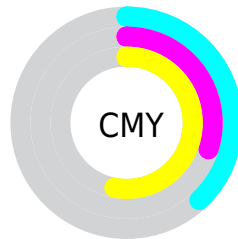


Cyan (12%)

Magenta (0%)

Yellow (34%)

Black (30%)



Cyan (38%)


Magenta (30%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.331, 121.879 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, 33.331, 121.879 by changing the saturation by 10% instead.


 70, 33.331,
121.879


 70, 33.331,
121.879


 100, 33.331,
121.879


 60, 33.331,
121.879


 90, 33.331,
121.879

 50, 33.331,
121.879

 40, 33.331,
121.879

 30, 33.331,
121.879

 20, 33.331,
121.879

 10, 33.331,
121.879

 0, 33.331, 121.879

70, 33.331,
121.879

70, 33.331,
121.879

69, 42.901,
121.371

71, 23.507,
122.421

69, 52.032,
120.935

72, 13.549,
122.965

68, 60.459,
120.637

73, 3.541, 123.506

68, 67.819,
120.567

74, 6.458, 303.982

67, 73.676,
120.839

75, 16.405,
304.460

67, 77.671,
121.556

76, 26.271,
304.900

66, 79.539,
122.173

77, 36.034,
305.306

78, 42.124,
306.602

■ 78, 42.585,
309.345

Harmonies

Complementary

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



70, 33.331, 121.879



54, 35.494, 305.758

Rectangle

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



70, 33.331, 121.879



70, 33.331, 171.879



70, 33.331, 301.879



70, 33.331, 351.879

Sweetspot

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



70, 33.333, 121.881



91, 12.361, 123.147



61, 20.587, 55.079



49, 8.502, 123.073



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, 33.333, 121.881



88, 48.844, 121.512



68, 38.243, 138.379



37, 5.655, 123.193



58, 70.799, 121.983



8, 14.015, 127.625

Inverse Universe

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



54, 35.494, 305.758



64, 52.839, 306.296



57, 38.640, 321.801



35, 5.754, 304.166



20, 87.733, 309.183



1, 13.578, 300.681

Previews

White Background



This preview shows how the CIELCh color 70, 33.331, 121.879 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, 33.331, 121.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

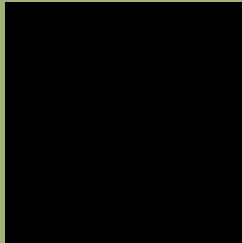
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 33.331, 121.879

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.331, 121.879.

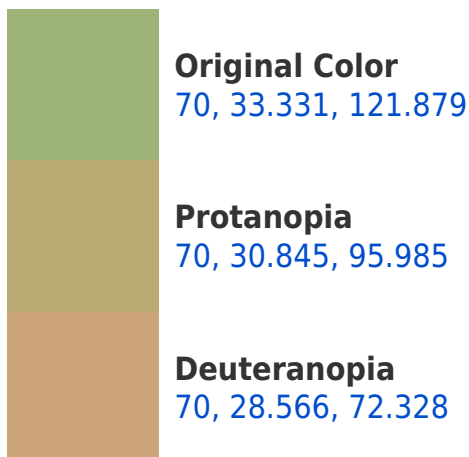


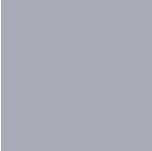
This preview shows how white text looks on a background with the CIELCh color 70, 33.331, 121.879.

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, 7.240, 279.343

Trichromacy



Original Color
70, 33.331, 121.879

Protanomaly
70, 31.202, 106.236

Deuteranomaly
70, 27.180, 91.299

Tritanomaly
70, 8.575, 135.863

Monochromacy



Original Color
70, 33.331, 121.879

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 12.437, 123.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.331, 121.879 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(158, 179, 119)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 119)  
}
```

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(158, 179, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.331, 121.879 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(158, 179, 119) }
```

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

```
.border{ border-color:rgb(158, 179, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 179, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 179, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 179, 119); box-shadow:4px 4px 4px 4px rgb(158, 179, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.331, 121.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 119) }
```

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

```
.background{ background-color: rgb(158,  
179, 119) }
```

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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