

Converting Colors

CIELCh(70, 20.193, 111.068)

Have a look what the booklet for
CIELCh(70, 20.193, 111.068)
contains.

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Color

CIELCh(70, 20.097, 111.600)

Conversions

Conversions Part 1

Format	Color
Hex	ABAE89
RGB	171, 174, 137
RGB Percent	67%, 68%, 54%
CMY	0.3293, 0.3175, 0.4626
CMYK	0.02, 0.00, 0.21, 0.32
HSL	65°, 19%, 61%
HSV	65°, 21%, 68%
XYZ	36.4581, 40.7494, 29.6201
YIQ	168.8850, 10.0890, -12.1430

Conversions

Conversions Part 2

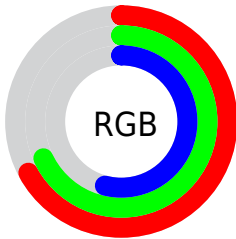
Format	Color
RYB	137, 174, 140
Decimal	11251337
CIELab	70.00, -7.40, 18.69
CIELCh	70, 20.097, 111.600
Yxy	40.7494, 0.3413, 0.3815
Android (android.graphics.Color)	4289441417 (0xFFABAE89)
YUV	168.8850, -15.7193, 1.8549
Hunter-Lab	63.8353, -9.7654, 17.1737

Details

The CIELCh color **70, 20.097, 111.600** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 21.092, 295.422**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 19.616, 110.777**, and **50, 20.255, 112.484** is the 20% darker color. If you saturate the color by 10%, you get **70, 29.379, 110.772**, and if you desaturate by 10%, it is **70, 10.679, 112.439**.

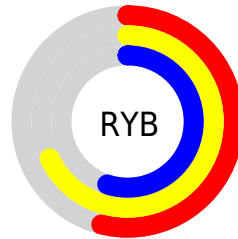
Distribution



Red (67%)

Green (68%)

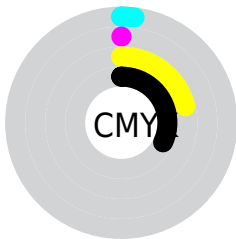
Blue (54%)



Red (54%)

Yellow (68%)

Blue (55%)

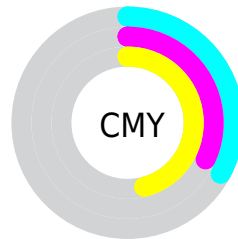


Cyan (2%)

Magenta (0%)

Yellow (21%)

Black (32%)



Cyan (33%)


Magenta (32%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.097, 111.600 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, 20.097, 111.600 by changing the saturation by 10% instead.


 70, 20.097,
111.600


 70, 20.097,
111.600


 100, 20.097,
111.600


 60, 20.097,
111.600


 90, 20.097,
111.600

 50, 20.097,
111.600

 40, 20.097,
111.600

 30, 20.097,
111.600

 20, 20.097,
111.600

 10, 20.097,
111.600

 0, 20.097, 111.600

70, 20.097,
111.600

70, 20.097,
111.600

70, 29.379,
110.772

70, 10.679,
112.439

69, 38.413,
109.965

71, 1.191, 113.242

72, 8.317, 294.075

69, 47.036,
109.213

72, 17.812,
294.847

69, 55.000,
108.553

73, 27.272,
295.587

68, 61.958,
108.038

74, 36.679,
296.289

68, 67.481,
107.727

74, 43.965,
296.934

68, 71.172,
107.675

75, 43.988,
297.501

68, 73.120,

107.811

■ 75, 44.016,
298.069

Harmonies

Complementary

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



70, 20.097, 111.600



59, 21.092, 295.422

Rectangle

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



70, 20.097, 111.600



70, 20.097, 161.600



70, 20.097, 291.600



70, 20.097, 341.600

Sweetspot

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



70, 20.099, 111.604



90, 7.063, 112.865



61, 14.153, 26.331



48, 4.723, 112.813



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, 20.099, 111.604



89, 30.419, 111.170



69, 21.832, 130.436



37, 5.353, 112.602



59, 65.682, 107.755



7, 11.393, 114.759

Inverse Universe

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



59, 21.092, 295.422



71, 32.346, 296.034



60, 22.369, 312.286



34, 5.469, 294.188



17, 89.818, 306.598



1, 11.366, 292.782

Previews

White Background



This preview shows how the CIELCh color 70, 20.097, 111.600 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, 20.097, 111.600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

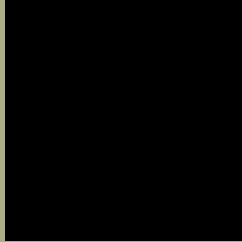
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 20.097, 111.600

Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.097, 111.600.



This preview shows how white text looks on a background with the CIELCh color 70, 20.097, 111.600.

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, 20.097, 111.600

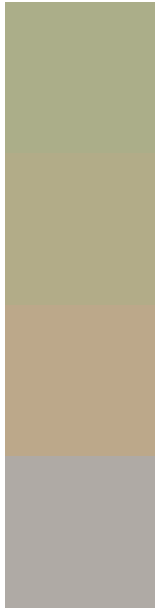
Protanopia
70, 20.083, 95.223

Deuteranopia
70, 19.721, 63.535



Tritanopia
70, 7.907, 315.763

Trichromacy



Original Color
70, 20.097, 111.600

Protanomaly
70, 19.697, 101.064

Deuteranomaly
70, 18.346, 81.979

Tritanomaly
70, 3.317, 74.637

Monochromacy



Original Color
70, 20.097, 111.600

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 7.652, 112.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 20.097, 111.600 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(171, 174, 137)` looks like.

```
.text, #text, p{  
    color:rgb(171, 174, 137)  
}
```

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(171, 174, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 174, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 20.097, 111.600 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(171, 174, 137) }
```

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

```
.border{ border-color:rgb(171, 174, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 174, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 174, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 174, 137);  
box-shadow:4px 4px 4px 4px rgb(171, 174,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 20.097, 111.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 174, 137) }
```

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

```
.background{ background-color: rgb(171,  
174, 137) }
```

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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