Converting Colors

CIELCh(70, 17.903, 115.369)

Have a look what the booklet for CIELCh(70, 17.903, 115.369) contains.

CIELCh(70, 17.496, 114.965) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 21
- ***Color Blindness Simulation*** 24
- ***CSS Examples*** 27

Color

CIELCh(70, 17.496, 114.965)

Conversions

Conversions Part 1

Format	Color
Hex	A9AE8E
RGB	169, 174, 142
RGB Percent	66%, 68%, 56%
CMY	0.3366, 0.3170, 0.4425
CMYK	0.03, 0.00, 0.18, 0.32
HSL	69°, 17%, 62%
HSV	69°, 18%, 68%
XYZ	36.4622, 40.7494, 31.5993
YIQ	168.8570, 7.2920, -11.0120

Conversions

Conversions Part 2

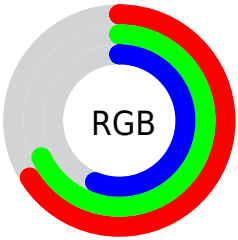
Format	Color
RYB	142, 174, 147
Decimal	11120270
CIELab	70.00, -7.38, 15.86
CIELCh	70, 17.496, 114.965
Yxy	40.7494, 0.3351, 0.3745
Android (android.graphics.Color)	4289310350 (0xFFA9AE8E)
YUV	168.8570, -13.2405, 0.1254
Hunter-Lab	63.8353, -9.7538, 15.3353

Details

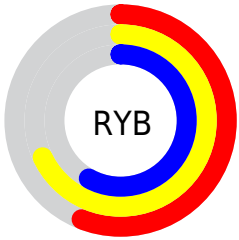
The CIELCh color 70, 17.496, 114.965 is a light color, and the websafe version is hex 999966. A complement of this color would be 60, 18.210, 297.805, and the grayscale version is 69, 0.009, 296.813.

A 20% lighter version of the original color is 90, 17.151, 115.045, and 50, 17.478, 115.000 is the 20% darker color. If you saturate the color by 10%, you get 69, 26.891, 114.235, and if you desaturate by 10%, it is 71, 7.993, 115.702.

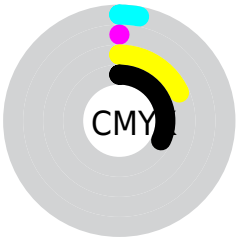
Distribution



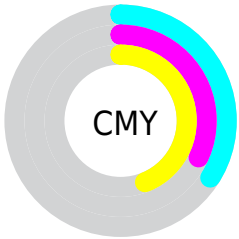
- Red (66%)
- Green (68%)
- Blue (56%)



- Red (56%)
- Yellow (68%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (18%)
- Black (32%)



- Cyan (34%)
- Magenta (32%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 17.496, 114.965 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, 17.496, 114.965 by changing the saturation by 10% instead.

70, 17.496, 114.965

100, 17.496, 114.965

90, 17.496, 114.965

70, 17.496, 114.965

60, 17.496, 114.965

50, 17.496, 114.965

40, 17.496, 114.965

30, 17.496, 114.965

20, 17.496, 114.965

10, 17.496, 114.965

0, 17.496, 114.965

70, 17.496, 114.965

69, 26.891, 114.235

69, 36.078, 113.519

68, 44.913, 112.851

68, 53.178, 112.273

68, 60.562, 111.844

67, 66.655, 111.637

67, 71.034, 111.731

67, 73.637,

70, 17.496, 114.965

71, 7.993, 115.702

71, 1.560, 296.422

72, 11.115, 297.111

73, 20.643, 297.771

74, 30.120, 298.397

74, 39.529, 298.986

75, 44.041, 299.832

75, 44.128, 300.944

112.145

75, 44.230, 302.059

67, 74.014, 112.218

Harmonies

Complementary

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

70, 17.496, 114.965

60, 18.210, 297.805

Rectangle

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

70, 17.496, 114.965

70, 17.496, 164.965

70, 17.496, 294.965

70, 17.496, 344.965

Sweetspot

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

70, 17.498, 114.969

90, 7.099, 115.866

63, 11.302, 33.977

48, 4.747, 115.820

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, 17.498, 114.969

89, 25.937, 114.674

69, 19.314, 133.337

36, 5.381, 115.634

58, 66.427, 112.115

7, 11.493, 118.656

Inverse Universe

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

60, 18.210, 297.805

74, 27.246, 298.189

62, 19.634, 314.891

34, 5.494, 297.013

17, 89.229, 307.021

1, 11.404, 295.181

Previews

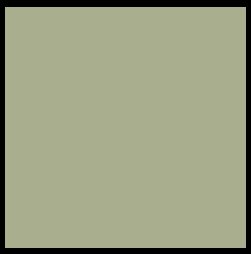
White Background

This preview shows how the CIELCh color 70, 17.496, 114.965 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



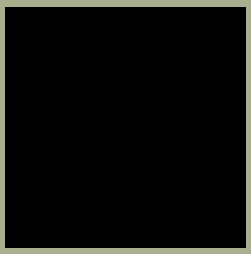
This preview shows how the CIELCh color 70, 17.496, 114.965 looks on a black background.

Color Contrast Check

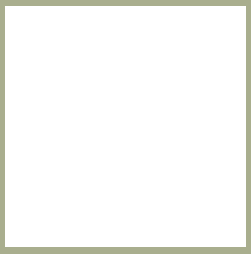
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 70, 17.496, 114.965 Background



This preview shows how black text looks on a background with the CIELCh color 70, 17.496, 114.965.



This preview shows how white text looks on a background with the CIELCh color 70, 17.496, 114.965.

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

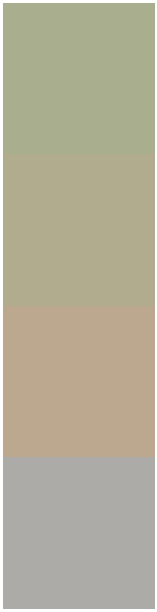
Original Color
70, 17.496, 114.965

Protanopia
70, 17.346, 94.945

Deuteranopia
70, 17.456, 58.636

Tritanopia
70, 7.492, 308.026

Trichromacy



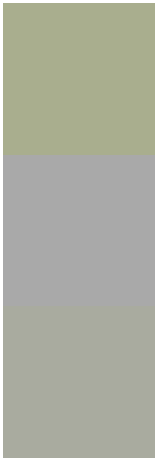
Original Color
70, 17.496, 114.965

Protanomaly
70, 16.967, 101.644

Deuteranomaly
70, 15.702, 79.401

Tritanomaly
70, 1.791, 84.918

Monochromacy



Original Color
70, 17.496, 114.965

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 6.602, 116.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 17.496, 114.965 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(169, 174, 142) looks like.

```
.text, #text, p{
    color:rgb(169, 174, 142)
}
```

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(169, 174, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 174, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 17.496, 114.965 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(169, 174, 142) }
```

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

```
.border{ border-color:rgb(169, 174, 142) }
```

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

Here you see how a box with a 4 pixel rgb(169, 174, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 174, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 174, 142); box-shadow:4px 4px 4px 4px rgb(169, 174, 142) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 17.496, 114.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(169, 174, 142) }
```

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

```
.background{ background-color:rgb(169,
174, 142) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor