

Converting Colors

CIELCh(70, 29.506, 107.210)

Have a look what the booklet for
CIELCh(70, 29.506, 107.210)
contains.

CIELCh(70, 29.626, 107.167)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 29.626, 107.167)

Conversions

Conversions Part 1

Format	Color
Hex	AEAE77
RGB	174, 174, 119
RGB Percent	68%, 68%, 47%
CMY	0.3165, 0.3165, 0.5323
CMYK	0.00, 0.00, 0.32, 0.32
HSL	60°, 25%, 58%
HSV	60°, 32%, 68%
XYZ	36.0543, 40.7494, 23.5009
YIQ	167.7300, 17.6550, -17.1050

Conversions

Conversions Part 2

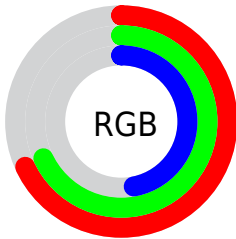
Format	Color
R_YB	119, 174, 119
Decimal	11447927
CIE _{Lab}	70.00, -8.74, 28.31
CIE _{LCh}	70, 29.626, 107.167
Y _{xy}	40.7494, 0.3594, 0.4063
Android (android.graphics.Color)	4289638007 (0xFFFAEAE77)
YUV	167.7300, -24.0239, 5.4988
Hunter-Lab	63.8353, -10.8945, 22.8571

Details

The CIELCh color **70, 29.626, 107.167** is a light color, and the websafe version is hex **999966**. A complement of this color would be **52, 31.973, 294.052**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 29.286, 107.000**, and **50, 29.614, 107.148** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.643, 106.245**, and if you desaturate by 10%, it is **70, 20.362, 108.121**.

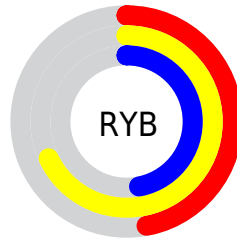
Distribution



Red (68%)

Green (68%)

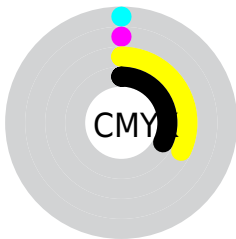
Blue (47%)



Red (47%)

Yellow (68%)

Blue (47%)

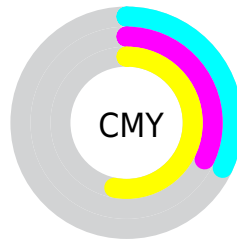


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (32%)



Cyan (32%)


Magenta (32%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 29.626, 107.167 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, 29.626, 107.167 by changing the saturation by 10% instead.


 70, 29.626,
107.167


 70, 29.626,
107.167


 100, 29.626,
107.167


 60, 29.626,
107.167


 90, 29.626,
107.167

 50, 29.626,
107.167

 40, 29.626,
107.167

 30, 29.626,
107.167

 20, 29.626,
107.167

 10, 29.626,
107.167

 0, 29.626, 107.167

70, 29.626,
107.167

70, 29.626,
107.167

70, 38.643,
106.245

70, 20.362,
108.121

70, 47.238,
105.368

71, 10.956,
109.076

69, 55.159,
104.571

71, 1.480, 109.992

69, 62.050,
103.890

72, 8.018, 290.968

69, 67.474,
103.363

72, 17.507,
291.866

69, 71.043,
103.022

73, 26.966,
292.732

69, 72.850,
102.852

73, 36.378,
293.561

74, 43.756,
294.186

■ 74, 43.756,
294.186

Harmonies

Complementary

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



70, 29.626, 107.167



52, 31.973, 294.052

Rectangle

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



70, 29.626, 107.167



70, 29.626, 157.167



70, 29.626, 287.167



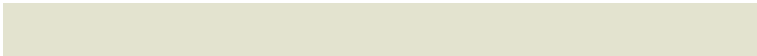
70, 29.626, 337.167

Sweetspot

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



70, 29.627, 107.171



90, 10.569, 109.305



56, 23.206, 20.789



48, 7.402, 109.169



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, 29.627, 107.171



89, 43.928, 106.509



68, 31.692, 127.019



37, 5.341, 109.291



60, 65.376, 102.852



7, 11.345, 110.176

Inverse Universe

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



52, 31.973, 294.052



62, 48.431, 295.223



54, 33.165, 310.040



33, 5.457, 291.126



17, 90.272, 306.287



1, 11.347, 290.178

Previews

White Background



This preview shows how the CIELCh color 70, 29.626, 107.167 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, 29.626, 107.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

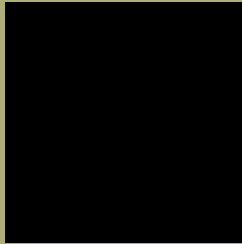
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 29.626, 107.167

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.626, 107.167.



This preview shows how white text looks on a background with the CIELCh color 70, 29.626, 107.167.

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, 29.626, 107.167

Protanopia

70, 29.285, 95.603

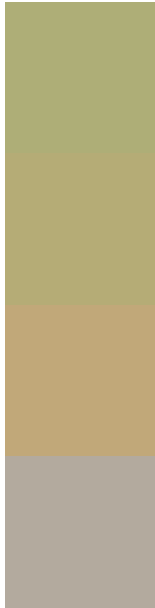
Deuteranopia

70, 28.566, 72.328



Tritanopia
70, 9.099, 328.757

Trichromacy



Original Color
70, 29.626, 107.167

Protanomaly
70, 29.407, 99.803

Deuteranomaly
70, 27.748, 85.148

Tritanomaly
70, 7.417, 81.230

Monochromacy



Original Color
70, 29.626, 107.167

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 10.918, 109.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.626, 107.167 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(174, 174, 119)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 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(174, 174, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.626, 107.167 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(174, 174, 119) }
```

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

```
.border{ border-color:rgb(174, 174, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.626, 107.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 119) }
```

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

```
.background{ background-color: rgb(174,  
174, 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](#).

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