

Converting Colors

CIELCh(67, 4.270, 2.355)

Have a look what the booklet for
CIELCh(67, 4.270, 2.355) contains.

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Color

CIELCh(67, 3.996, 3.663)

Conversions

Conversions Part 1

Format	Color
Hex	ABA1A3
RGB	171, 161, 163
RGB Percent	67%, 63%, 64%
CMY	0.3307, 0.3699, 0.3620
CMYK	0.00, 0.06, 0.05, 0.33
HSL	348°, 6%, 65%
HSV	348°, 6%, 67%
XYZ	35.9949, 36.6320, 39.6729
YIQ	164.2180, 5.3180, 2.7420

Conversions

Conversions Part 2

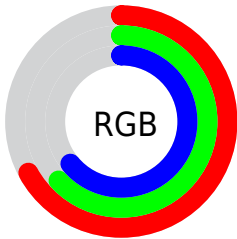
Format	Color
RYB	171, 161, 163
Decimal	11248035
CIELab	67.00, 3.99, 0.26
CIELCh	67, 3.996, 3.663
Yxy	36.6320, 0.3205, 0.3262
Android (android.graphics.Color)	4289438115 (0xFFABA1A3)
YUV	164.2180, -0.6005, 5.9478
Hunter-Lab	60.5244, 0.2396, 3.5032

Details

The CIELCh color $67, 3.996, 3.663$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 3.901, 182.874$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 3.780, 3.505$, and $47, 3.759, 10.755$ is the 20% darker color. If you saturate the color by 10%, you get $62, 11.097, 4.764$, and if you desaturate by 10%, it is $72, 2.745, 183.091$.

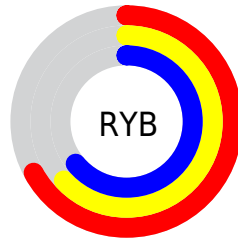
Distribution



Red (67%)

Green (63%)

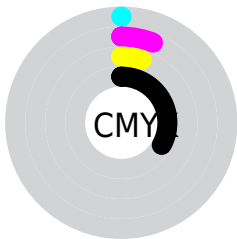
Blue (64%)



Red (67%)

Yellow (63%)

Blue (64%)

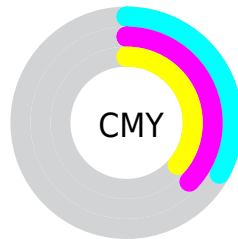


Cyan (0%)

Magenta (6%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (37%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 3.996, 3.663 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 67, 3.996, 3.663 by changing the saturation by 10% instead.

■ 67, 3.996, 3.663

■ 67, 3.996, 3.663

■ 100, 3.996, 3.663

■ 57, 3.996, 3.663

■ 87, 3.996, 3.663

■ 47, 3.996, 3.663

■ 97, 3.996, 3.663

■ 37, 3.996, 3.663

■ 27, 3.996, 3.663

■ 17, 3.996, 3.663

■ 7, 3.996, 3.663

■ 0, 3.996, 3.663

■ 67, 3.996, 3.663

■ 67, 3.996, 3.663

■ 62, 11.097, 4.764

■ 72, 2.745, 183.091

58, 18.533, 5.978

77, 9.122, 182.220

53, 26.228, 7.429

82, 15.152,
181.533

49, 34.044, 9.205

87, 20.861,
180.931

45, 41.764, 11.421

42, 49.108, 14.214

92, 26.279,
180.392

39, 55.783, 17.732

95, 27.798,
186.538

37, 61.594, 22.068

36, 66.554, 27.109

95, 26.570,
197.779

Harmonies

Complementary

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



67, 3.996, 3.663



69, 3.901, 182.874

Rectangle

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



67, 3.996, 3.663



67, 3.996, 53.663



67, 3.996, 183.663



67, 3.996, 233.663

Sweetspot

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



67, 3.994, 3.681



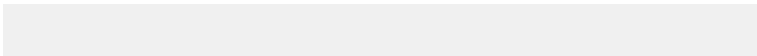
87, 1.674, 3.118



67, 6.322, 319.035



47, 0.959, 3.089



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 3.994, 3.681



84, 5.930, 3.821



68, 3.143, 51.037



34, 3.065, 3.853



30, 61.370, 28.414



1, 6.796, 5.411

Inverse Universe

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



67, 3.994, 3.681



84, 5.930, 3.821



68, 3.053, 232.116



34, 3.065, 3.853



30, 61.370, 28.414



1, 6.796, 5.411

Previews

White Background



This preview shows how the CIELCh color 67, 3.996, 3.663 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 CIE LCh color 67, 3.996, 3.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

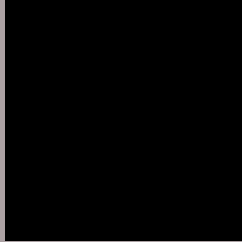
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 3.996, 3.663

Background



This preview shows how black text looks on a background with the CIELCh color 67, 3.996, 3.663.

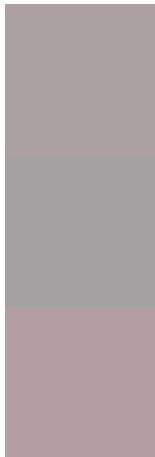


This preview shows how white text looks on a background with the CIELCh color 67, 3.996, 3.663.

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


67, 3.996, 3.663

Protanopia

67, 1.894, 343.657

Deuteranopia

67, 8.567, 1.459



Tritanopia
67, 8.732, 324.823

Trichromacy



Original Color

67, 3.996, 3.663

Protanomaly

67, 2.551, 353.852

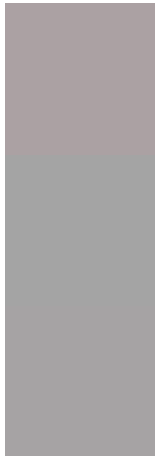
Deuteranomaly

67, 6.915, 1.440

Tritanomaly

67, 6.765, 332.741

Monochromacy



Original Color

67, 3.996, 3.663

Achromatopsia

67, 0.008, 296.813

Achromatomaly

67, 1.276, 353.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 3.996, 3.663 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, 161, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 161, 163)  
}
```

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, 161, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 161, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 3.996, 3.663 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, 161, 163) }
```

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

```
.border{ border-color:rgb(171, 161, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 161, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 161, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 161, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 161,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 3.996, 3.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 161, 163) }
```

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

```
.background{ background-color: rgb(171,  
161, 163) }
```

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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