

Converting Colors

CIELCh(71, 13.750, 295.974)

Have a look what the booklet for
CIELCh(71, 13.750, 295.974)
contains.

CIELCh(71, 13.735, 295.968)	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(71, 13.735, 295.968)

Conversions

Conversions Part 1

Format	Color
Hex	AEABC4
RGB	174, 171, 196
RGB Percent	68%, 67%, 77%
CMY	0.3171, 0.3288, 0.2308
CMYK	0.11, 0.13, 0.00, 0.23
HSL	247°, 18%, 72%
HSV	247°, 13%, 77%
XYZ	42.0583, 42.1875, 58.2389
YIQ	174.7470, -6.2370, 8.4110

Conversions

Conversions Part 2

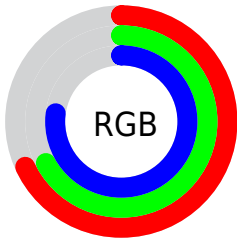
Format	Color
RYB	174, 171, 196
Decimal	11447236
CIELab	71.00, 6.01, -12.35
CIELCh	71, 13.735, 295.968
Yxy	42.1875, 0.2952, 0.2961
Android (android.graphics.Color)	4289637316 (0xFFAEABC4)
YUV	174.7470, 10.4777, -0.6551
Hunter-Lab	64.9519, 1.9182, -7.6959

Details

The CIELCh color $71, 13.735, 295.968$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $78, 13.349, 113.894$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 14.112, 296.842$, and $51, 13.468, 295.054$ is the 20% darker color. If you saturate the color by 10%, you get $65, 24.998, 296.969$, and if you desaturate by 10%, it is $77, 2.909, 295.107$.

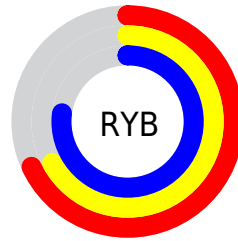
Distribution



Red (68%)

Green (67%)

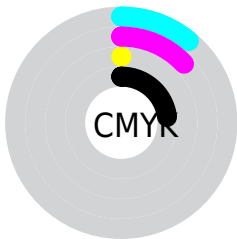
Blue (77%)



Red (68%)

Yellow (67%)

Blue (77%)

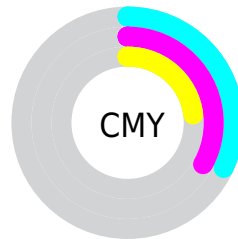


Cyan (11%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (32%)


Magenta (33%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 13.735, 295.968 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 71, 13.735, 295.968 by changing the saturation by 10% instead.


 71, 13.735,
295.968


 71, 13.735,
295.968


 100, 13.735,
295.968


 61, 13.735,
295.968


 91, 13.735,
295.968

 51, 13.735,
295.968

 41, 13.735,
295.968

 31, 13.735,
295.968

 21, 13.735,
295.968

 11, 13.735,
295.968

 1, 13.735, 295.968

0, 13.735, 295.968

71, 13.735,
295.968

71, 13.735,
295.968

65, 24.998,
296.969

77, 2.909, 295.107

84, 7.503, 114.360

58, 36.720,
298.131

90, 17.530,
113.728

52, 48.893,
299.459

96, 27.198,
113.186

45, 61.445,
300.941

99, 29.654,
107.923

39, 74.150,
302.528

34, 86.474,
304.102

■ 29, 97.378,
305.459

■ 26, 105.334,
306.331

■ 24, 109.114,
306.695

Harmonies

Complementary

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



71, 13.735, 295.968



78, 13.349, 113.894

Rectangle

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



71, 13.735, 295.968



71, 13.735, 345.968



71, 13.735, 115.968



71, 13.735, 165.968

Sweetspot

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



71, 13.733, 295.965



97, 5.250, 295.211



77, 7.967, 210.267



51, 3.736, 295.273



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 13.733, 295.965



88, 20.096, 296.201



72, 14.796, 313.560



37, 6.010, 295.658



19, 94.002, 306.763



1, 19.536, 294.376

Inverse Universe

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



73, 15.137, 328.609



91, 22.068, 328.759



77, 14.604, 132.505



38, 6.654, 328.403



37, 74.540, 333.600



4, 21.639, 330.787

Previews

White Background



This preview shows how the CIELCh color 71, 13.735, 295.968 looks on a white background.

Color Contrast Check

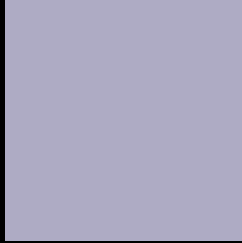
Large Text (above 18pt) WCAG AA × Fail

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 71, 13.735, 295.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

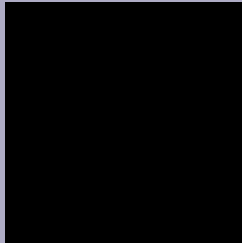
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

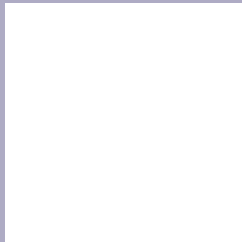
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 13.735, 295.968

Background



This preview shows how black text looks on a background with the CIELCh color 71, 13.735, 295.968.



This preview shows how white text looks on a background with the CIELCh color 71, 13.735, 295.968.

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

71, 13.735, 295.968

Protanopia

71, 13.671, 288.565

Deuteranopia

71, 15.878, 305.979



Tritanopia
71, 7.104, 290.884

Trichromacy



Original Color
71, 13.735, 295.968

Protanomaly
71, 13.664, 291.518

Deuteranomaly
71, 15.089, 302.499

Tritanomaly
71, 9.854, 293.245

Monochromacy



Original Color
71, 13.735, 295.968

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 4.934, 294.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 13.735, 295.968 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, 171, 196)` looks like.

```
.text, #text, p{  
    color:rgb(174, 171, 196)  
}
```

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, 171, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 171, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 13.735, 295.968 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, 171, 196) }
```

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

```
.border{ border-color:rgb(174, 171, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 171, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 171, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 171, 196);  
box-shadow:4px 4px 4px 4px rgb(174, 171,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 13.735, 295.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 171, 196) }
```

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

```
.background{ background-color: rgb(174,  
171, 196) }
```

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