

Converting Colors

CIELCh(71, 7.896, 318.586)

Have a look what the booklet for
CIELCh(71, 7.896, 318.586) contains.

CIELCh(71, 7.570, 320.065)	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, 7.570, 320.065)

Conversions

Conversions Part 1

Format	Color
Hex	B5ABB7
RGB	181, 171, 183
RGB Percent	71%, 67%, 72%
CMY	0.2915, 0.3307, 0.2837
CMYK	0.01, 0.07, 0.00, 0.28
HSL	290°, 8%, 69%
HSV	290°, 7%, 72%
XYZ	41.9889, 42.1875, 50.5455
YIQ	175.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

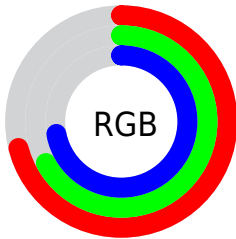
Format	Color
R_{YB}	181, 171, 183
Decimal	11905975
CIE Lab	71.00, 5.80, -4.86
CIE LCh	71, 7.570, 320.065
Yxy	42.1875, 0.3117, 0.3131
Android (android.graphics.Color)	4290096055 (0xFFB5ABB7)
YUV	175.3580, 3.7675, 4.9480
Hunter-Lab	64.9519, 1.7275, -0.6730

Details

The CIELCh color $71, 7.570, 320.065$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $73, 7.534, 139.520$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 7.824, 320.391$, and $51, 7.365, 319.695$ is the 20% darker color. If you saturate the color by 10%, you get $66, 19.239, 320.533$, and if you desaturate by 10%, it is $76, 3.904, 139.700$.

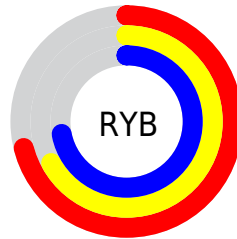
Distribution



Red (71%)

Green (67%)

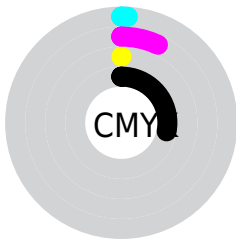
Blue (72%)



Red (71%)

Yellow (67%)

Blue (72%)

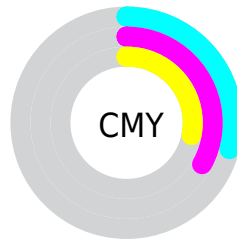


Cyan (1%)

Magenta (7%)

Yellow (0%)

Black (28%)



Cyan (29%)

Magenta (33%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 7.570, 320.065 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, 7.570, 320.065 by changing the saturation by 10% instead.

■ 71, 7.570, 320.065

■ 71, 7.570, 320.065

■ 100, 7.570,
320.065

■ 61, 7.570, 320.065

■ 91, 7.570, 320.065

■ 51, 7.570, 320.065

■ 41, 7.570, 320.065

■ 31, 7.570, 320.065

■ 21, 7.570, 320.065

■ 11, 7.570, 320.065

■ 1, 7.570, 320.065

■ 0, 7.570, 320.065

■ 71, 7.570, 320.065

■ 71, 7.570, 320.065

66, 19.239,
320.533

76, 3.904, 139.700

61, 30.997,
320.989

81, 15.109,
139.237

57, 42.661,
321.424

86, 26.012,
138.830

52, 53.967,
321.817

91, 36.598,
138.453

48, 64.547,
322.140

95, 42.749,
137.790

45, 73.939,
322.358

95, 42.191,
136.601

42, 81.626,
322.432

95, 41.648,
135.369

40, 87.159,
322.325

95, 41.122,
134.091

38, 90.375,

95, 40.615,
132.769

Harmonies

Complementary

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



71, 7.570, 320.065



73, 7.534, 139.520

Rectangle

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



71, 7.570, 320.065



71, 7.570, 10.065



71, 7.570, 140.065



71, 7.570, 190.065

Sweetspot

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



71, 7.568, 320.064



93, 2.844, 319.801



71, 5.402, 282.160



50, 1.630, 319.792



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



71, 7.568, 320.064



89, 11.415, 320.140



71, 6.372, 335.364



36, 6.572, 320.197



32, 81.015, 321.968



2, 17.444, 317.684

Inverse Universe

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



71, 4.689, 6.299



89, 7.095, 6.467



73, 6.341, 154.563



36, 4.095, 6.594



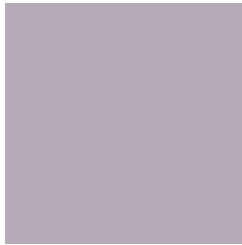
32, 65.198, 31.083



2, 10.829, 9.376

Previews

White Background



This preview shows how the CIELCh color 71, 7.570, 320.065 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 71, 7.570, 320.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

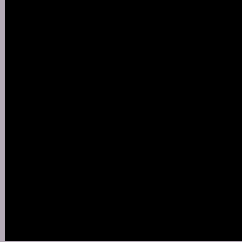
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

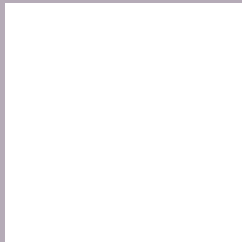
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 7.570, 320.065

Background



This preview shows how black text looks on a background with the CIELCh color 71, 7.570, 320.065.



This preview shows how white text looks on a background with the CIELCh color 71, 7.570, 320.065.

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, 7.570, 320.065

Protanopia

71, 6.028, 294.259

Deuteranopia

71, 9.969, 330.243



Tritanopia
71, 8.711, 318.688

Trichromacy



Original Color
71, 7.570, 320.065

Protanomaly
71, 6.745, 303.395

Deuteranomaly
71, 8.845, 326.820

Tritanomaly
71, 8.711, 318.688

Monochromacy



Original Color
71, 7.570, 320.065

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 3.132, 318.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 7.570, 320.065 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(181, 171, 183)` looks like.

```
.text, #text, p{  
    color:rgb(181, 171, 183)  
}
```

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(181, 171, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 171, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 7.570, 320.065 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(181, 171, 183) }
```

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

```
.border{ border-color:rgb(181, 171, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 171, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 171, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 171, 183);  
box-shadow:4px 4px 4px 4px rgb(181, 171,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 7.570, 320.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 171, 183) }
```

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

```
.background{ background-color: rgb(181,  
171, 183) }
```

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