

Converting Colors

CIELCh(71, 3.528, 193.007)

Have a look what the booklet for
CIELCh(71, 3.528, 193.007) contains.

CIELCh(71, 3.750, 190.847)	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, 3.750, 190.847)

Conversions

Conversions Part 1

Format	Color
Hex	A6B0AF
RGB	166, 176, 175
RGB Percent	65%, 69%, 69%
CMY	0.3495, 0.3103, 0.3142
CMYK	0.06, 0.00, 0.01, 0.31
HSL	174°, 6%, 67%
HSV	174°, 6%, 69%
XYZ	38.9281, 42.1875, 46.5864
YIQ	172.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

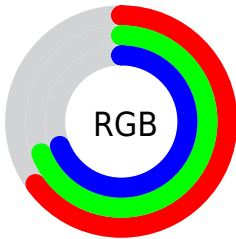
Format	Color
RYB	166, 171, 176
Decimal	10924207
CIELab	71.00, -3.68, -0.71
CIELCh	71, 3.750, 190.847
Yxy	42.1875, 0.3048, 0.3304
Android (android.graphics.Color)	4289114287 (0xFFA6B0AF)
YUV	172.8960, 1.0373, -6.0478
Hunter-Lab	64.9519, -6.6842, 2.9409

Details

The CIELCh color $71, 3.750, 190.847$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 3.862, 11.458$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 4.029, 184.376$, and $51, 3.983, 190.649$ is the 20% darker color. If you saturate the color by 10%, you get $70, 10.148, 189.980$, and if you desaturate by 10%, it is $72, 2.892, 11.283$.

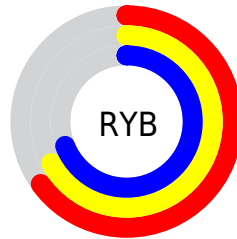
Distribution



Red (65%)

Green (69%)

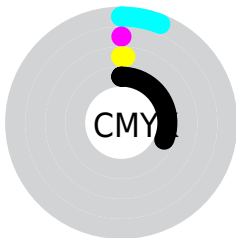
Blue (69%)



Red (65%)

Yellow (67%)

Blue (69%)

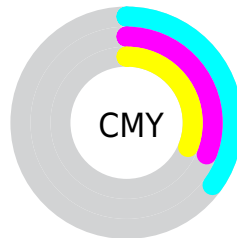


Cyan (6%)

Magenta (0%)

Yellow (1%)

Black (31%)



Cyan (35%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 3.750, 190.847 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, 3.750, 190.847 by changing the saturation by 10% instead.

■ 71, 3.750, 190.847

■ 71, 3.750, 190.847

■ 100, 3.750,
190.847

■ 61, 3.750, 190.847

■ 91, 3.750, 190.847

■ 51, 3.750, 190.847

■ 41, 3.750, 190.847

■ 31, 3.750, 190.847

■ 21, 3.750, 190.847

■ 11, 3.750, 190.847

■ 1, 3.750, 190.847

■ 0, 3.750, 190.847

■ 71, 3.750, 190.847

■ 71, 3.750, 190.847

70, 10.148,
189.980

72, 2.892, 11.283

69, 16.202,
189.187

74, 9.696, 12.148

68, 21.807,
188.390

76, 16.590, 12.907

67, 26.854,
187.575

79, 30.436, 14.363

66, 31.243,
186.732

79, 30.915, 12.811

65, 34.893,
185.846

80, 30.961, 11.101

65, 37.756,
184.902

80, 31.038, 9.398

65, 39.830,
183.882

80, 31.144, 7.706

65, 41.178,

182.771

Harmonies

Complementary

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



71, 3.750, 190.847



69, 3.862, 11.458

Rectangle

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



71, 3.750, 190.847



71, 3.750, 240.847



71, 3.750, 10.847



71, 3.750, 60.847

Sweetspot

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



71, 3.751, 190.826



91, 1.646, 191.334



71, 6.423, 140.999



48, 0.935, 191.363



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



71, 3.751, 190.826



90, 5.719, 190.691



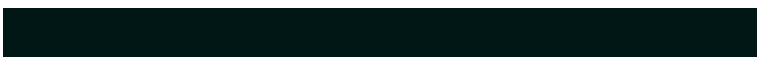
70, 3.073, 242.576



36, 2.944, 190.663



56, 37.079, 182.443



6, 7.989, 187.713

Inverse Universe

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



69, 3.862, 11.458



87, 5.929, 11.605



70, 3.138, 61.196



35, 3.057, 11.636



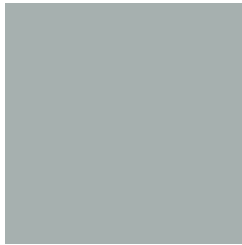
31, 66.308, 35.073



2, 7.869, 12.634

Previews

White Background



This preview shows how the CIELCh color 71, 3.750, 190.847 looks on a white background.

Color Contrast Check

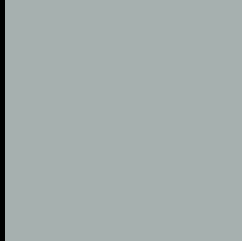
Large Text (above 18pt) WCAG AA × Fail

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, 3.750, 190.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

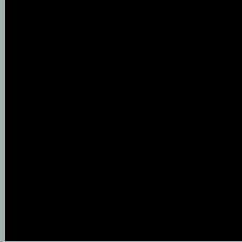
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

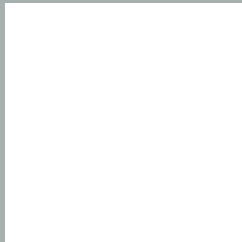
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 3.750, 190.847

Background



This preview shows how black text looks on a background with the CIELCh color 71, 3.750, 190.847.



This preview shows how white text looks on a background with the CIELCh color 71, 3.750, 190.847.

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





Tritanopia
71, 7.902, 275.088

Trichromacy



Original Color
71, 3.750, 190.847

Protanomaly
71, 0.373, 200.707

Deuteranomaly
71, 4.672, 344.019

Tritanomaly
71, 5.200, 256.602

Monochromacy



Original Color
71, 3.750, 190.847

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 1.491, 199.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 3.750, 190.847 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(166, 176, 175)` looks like.

```
.text, #text, p{  
    color:rgb(166, 176, 175)  
}
```

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(166, 176, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 176, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 3.750, 190.847 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(166, 176, 175) }
```

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

```
.border{ border-color:rgb(166, 176, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 176, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 176, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 176, 175);  
box-shadow:4px 4px 4px 4px rgb(166, 176,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 3.750, 190.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 176, 175) }
```

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

```
.background{ background-color: rgb(166,  
176, 175) }
```

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