

Converting Colors

CIELCh(70, 11.438, 218.298)

Have a look what the booklet for
CIELCh(70, 11.438, 218.298)
contains.

CIELCh(70, 11.742, 217.729)	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, 11.742, 217.729)

Conversions

Conversions Part 1	
Format	Color
Hex	91B1B8
RGB	145, 177, 184
RGB Percent	57%, 69%, 72%
CMY	0.4326, 0.3072, 0.2797
CMYK	0.21, 0.04, 0.00, 0.28
HSL	191°, 21%, 64%
HSV	191°, 21%, 72%
XYZ	35.8924, 40.7494, 51.1370
YIQ	168.2300, -21.3190, -4.6070

Conversions

Conversions Part 2

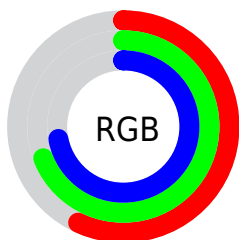
Format	Color
RYB	145, 163, 184
Decimal	9548216
CIELab	70.00, -9.29, -7.19
CIELCh	70, 11.742, 217.729
Yxy	40.7494, 0.2809, 0.3189
Android (android.graphics.Color)	4287738296 (0xFF91B1B8)
YUV	168.2300, 7.7746, -20.3727
Hunter-Lab	63.8353, -11.3472, -2.8112

Details

The CIELCh color **70, 11.742, 217.729** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 13.523, 37.018**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 11.945, 216.528**, and **50, 11.549, 219.268** is the 20% darker color. If you saturate the color by 10%, you get **68, 16.680, 218.226**, and if you desaturate by 10%, it is **72, 6.394, 217.417**.

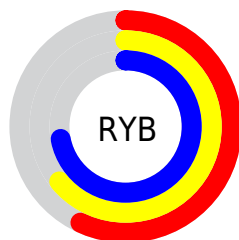
Distribution



Red (57%)

Green (69%)

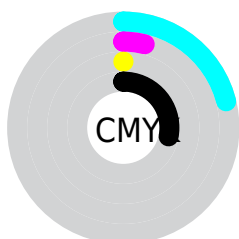
Blue (72%)



Red (57%)

Yellow (64%)

Blue (72%)

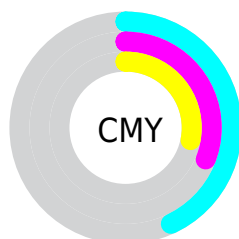


Cyan (21%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (43%)

Magenta (31%)


Yellow (28%)


Brightness & Saturation


Gradients


These gradients show how the CIELCh color 70, 11.742, 217.729 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, 11.742, 217.729 by changing the saturation by 10% instead.


 70, 11.742,
217.729


 70, 11.742,
217.729


 100, 11.742,
217.729


 60, 11.742,
217.729


 90, 11.742,
217.729

 50, 11.742,
217.729

 40, 11.742,
217.729

 30, 11.742,
217.729

 20, 11.742,
217.729

 10, 11.742,
217.729

 0, 11.742, 217.729

70, 11.742,
217.729

70, 11.742,
217.729

68, 16.680,
218.226

72, 6.394, 217.417

66, 21.118,
218.958

74, 0.718, 217.847

77, 5.211, 36.936

64, 24.969,
219.971

79, 11.330, 36.973

63, 28.159,
221.327

82, 17.586, 37.037

84, 23.936, 37.139

61, 30.637,
223.101

85, 23.347, 41.803

60, 32.397,
225.366

86, 22.879, 46.728

87, 22.591, 51.818

59, 33.492,
228.191

58, 34.087,

Harmonies

Complementary

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



70, 11.742, 217.729



65, 13.523, 37.018

Rectangle

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



70, 11.742, 217.729



70, 11.742, 267.729



70, 11.742, 37.729



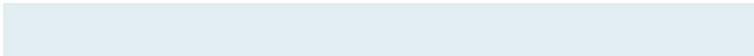
70, 11.742, 87.729

Sweetspot

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



70, 11.742, 217.722



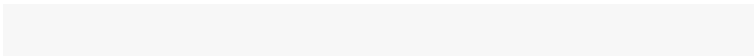
93, 4.297, 217.362



71, 23.130, 147.939



49, 2.844, 217.362



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 11.742, 217.722



88, 16.931, 217.908



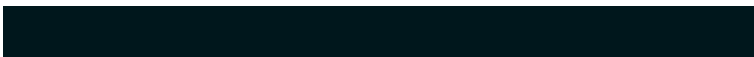
65, 15.028, 274.150



38, 3.241, 217.384



49, 30.137, 230.552



6, 8.595, 225.881

Inverse Universe

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



65, 22.995, 331.115



80, 33.631, 331.386



70, 15.097, 88.451



36, 6.102, 330.356



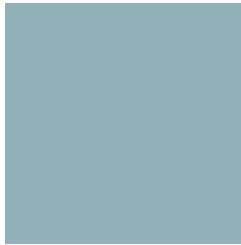
35, 69.597, 336.792



3, 15.695, 332.845

Previews

White Background



This preview shows how the CIELCh color 70, 11.742, 217.729 looks on a white background.

Color Contrast Check

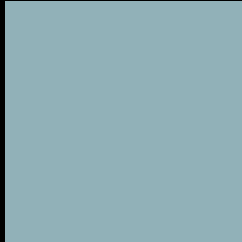
Large Text (above 18pt) WCAG AA × Fail

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 70, 11.742, 217.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

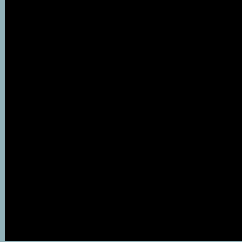
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

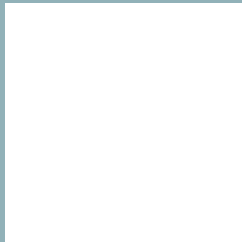
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 11.742, 217.729

Background



This preview shows how black text looks on a background with the CIELCh color 70, 11.742, 217.729.



This preview shows how white text looks on a background with the CIELCh color 70, 11.742, 217.729.

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, 11.742, 217.729

Protanopia

70, 4.955, 294.950

Deuteranopia

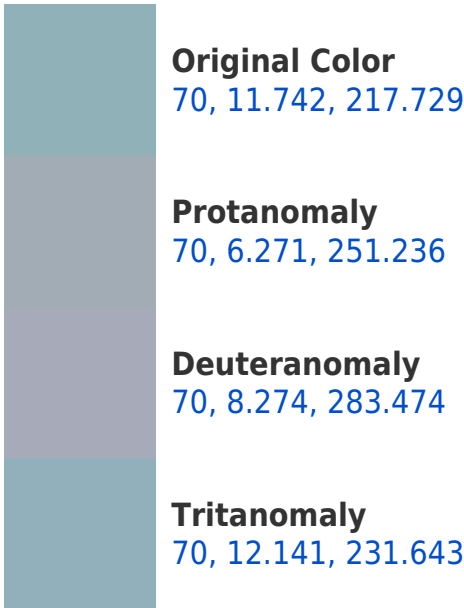
70, 12.173, 316.166



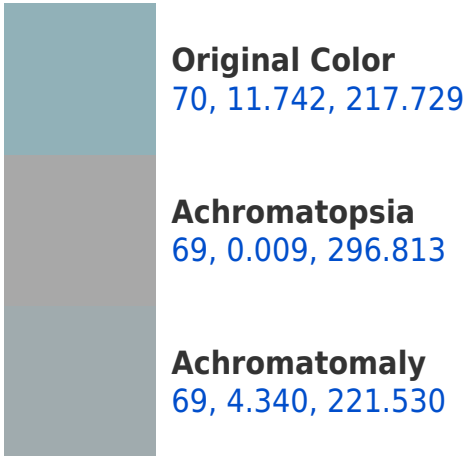
Tritanopia

70, 12.688, 236.098

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 11.742, 217.729 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(145, 177, 184)` looks like.

```
.text, #text, p{  
    color:rgb(145, 177, 184)  
}
```

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(145, 177, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 177, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 11.742, 217.729 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(145, 177, 184) }
```

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

```
.border{ border-color:rgb(145, 177, 184) }
```

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

Here you see how a box with a 4 pixel rgb(145, 177, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 177, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 177, 184);  
box-shadow:4px 4px 4px 4px rgb(145, 177,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 11.742, 217.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 177, 184) }
```

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

```
.background{ background-color: rgb(145,  
177, 184) }
```

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