

Converting Colors

CIELCh(70, 15.584, 137.169)

Have a look what the booklet for
CIELCh(70, 15.584, 137.169)
contains.

CIELCh(70, 15.704, 138.159)	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, 15.704, 138.159)

Conversions

Conversions Part 1

Format	Color
Hex	9DB198
RGB	157, 177, 152
RGB Percent	62%, 69%, 60%
CMY	0.3853, 0.3068, 0.4049
CMYK	0.11, 0.00, 0.14, 0.31
HSL	108°, 14%, 64%
HSV	108°, 14%, 69%
XYZ	35.1784, 40.7494, 35.6140
YIQ	168.1700, -3.8950, -12.0150

Conversions

Conversions Part 2

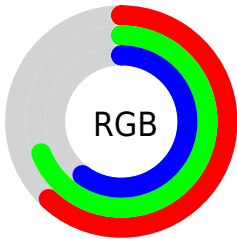
Format	Color
RYB	152, 177, 172
Decimal	10334616
CIELab	70.00, -11.70, 10.48
CIELCh	70, 15.704, 138.159
Yxy	40.7494, 0.3154, 0.3653
Android (android.graphics.Color)	4288524696 (0xFF9DB198)
YUV	168.1700, -7.9718, -9.7961
Hunter-Lab	63.8353, -13.3438, 11.6066

Details

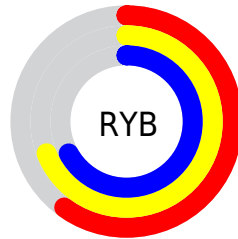
The CIELCh color **70, 15.704, 138.159** is a light color, and the websafe version is hex **999999**. A complement of this color would be **65, 15.818, 319.420**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 15.985, 137.621**, and **50, 15.356, 137.444** is the 20% darker color. If you saturate the color by 10%, you get **69, 26.874, 137.606**, and if you desaturate by 10%, it is **71, 4.570, 138.674**.

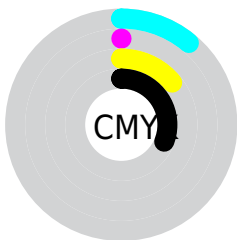
Distribution



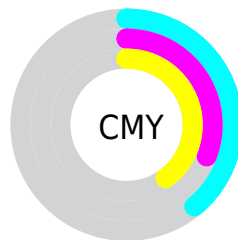
- Red (62%)
- Green (69%)
- Blue (60%)



- Red (60%)
- Yellow (69%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)





- Cyan (39%)
- Magenta (31%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 15.704, 138.159 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, 15.704, 138.159 by changing the saturation by 10% instead.


 70, 15.704,
138.159


 70, 15.704,
138.159


 100, 15.704,
138.159


 60, 15.704,
138.159


 90, 15.704,
138.159

 50, 15.704,
138.159

 40, 15.704,
138.159

 30, 15.704,
138.159

 20, 15.704,
138.159

 10, 15.704,
138.159

 0, 15.704, 138.159

70, 15.704,
138.159

70, 15.704,
138.159

69, 26.874,
137.606

71, 4.570, 138.674

67, 37.946,
136.993

73, 6.438, 319.024

66, 48.741,
136.334

75, 17.255,
319.406

65, 59.019,
135.662

77, 27.836,
319.722

65, 68.458,
135.035

78, 38.156,
319.990

64, 76.645,
134.550


80, 46.927,
321.065

64, 83.110,
134.330

82, 48.967,
326.117

63, 87.466,

134.483

 63, 89.297,
134.623

Harmonies

Complementary

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



70, 15.704, 138.159



65, 15.818, 319.420

Rectangle

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



70, 15.704, 138.159



70, 15.704, 188.159



70, 15.704, 318.159



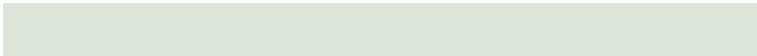
70, 15.704, 8.159

Sweetspot

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



70, 15.706, 138.160



90, 5.458, 138.678



70, 11.058, 98.799



48, 3.878, 138.638



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 15.706, 138.160



88, 23.373, 137.992



70, 13.512, 153.297



37, 6.325, 138.408



55, 80.169, 134.513



7, 15.491, 140.159

Inverse Universe

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



65, 15.818, 319.420



81, 23.568, 319.562



65, 13.598, 335.229



35, 6.360, 319.201



31, 80.396, 320.809



2, 14.930, 316.295

Previews

White Background



This preview shows how the CIELCh color 70, 15.704, 138.159 looks on a white background.

Color Contrast Check

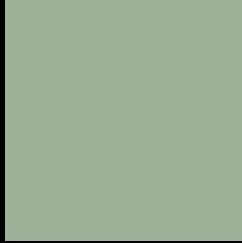
Large Text (above 18pt) WCAG AA × Fail

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, 15.704, 138.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

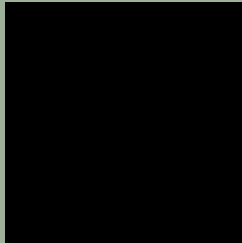
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

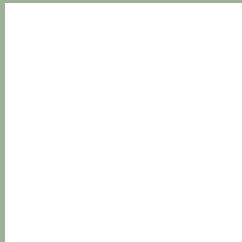
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 15.704, 138.159

Background



This preview shows how black text looks on a background with the CIELCh color 70, 15.704, 138.159.

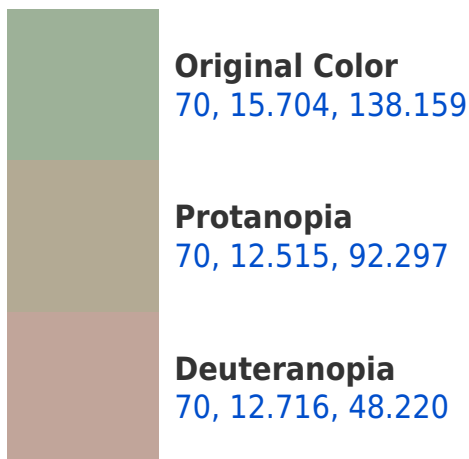


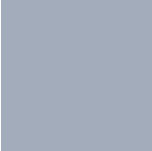
This preview shows how white text looks on a background with the CIELCh color 70, 15.704, 138.159.

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](#).

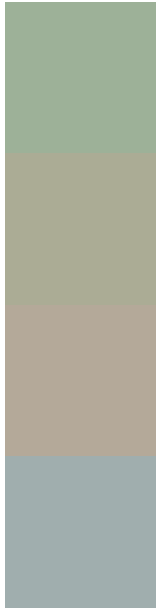
Dichromacy





Tritanopia
70, 8.387, 265.663

Trichromacy



Original Color
70, 15.704, 138.159

Protanomaly
70, 12.534, 110.708

Deuteranomaly
70, 9.749, 82.818

Tritanomaly
70, 5.152, 199.068

Monochromacy



Original Color
70, 15.704, 138.159

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 5.622, 137.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 15.704, 138.159 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(157, 177, 152)` looks like.

```
.text, #text, p{  
    color:rgb(157, 177, 152)  
}
```

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(157, 177, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 177, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 15.704, 138.159 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(157, 177, 152) }
```

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

```
.border{ border-color:rgb(157, 177, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 177, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 177, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 177, 152);  
box-shadow:4px 4px 4px 4px rgb(157, 177,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 15.704, 138.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 177, 152) }
```

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

```
.background{ background-color: rgb(157,  
177, 152) }
```

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