

Converting Colors

CIELCh(70, 19.416, 138.836)

Have a look what the booklet for
CIELCh(70, 19.416, 138.836)
contains.

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Color

CIELCh(70, 19.514, 138.169)

Conversions

Conversions Part 1

Format	Color
Hex	99B293
RGB	153, 178, 147
RGB Percent	60%, 70%, 58%
CMY	0.3998, 0.3017, 0.4233
CMYK	0.14, 0.00, 0.17, 0.30
HSL	108°, 17%, 64%
HSV	108°, 17%, 70%
XYZ	34.3499, 40.7494, 33.6814
YIQ	166.9910, -4.9490, -14.9410

Conversions

Conversions Part 2

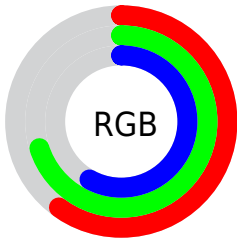
Format	Color
RYB	147, 178, 172
Decimal	10072723
CIELab	70.00, -14.54, 13.01
CIELCh	70, 19.514, 138.169
Yxy	40.7494, 0.3158, 0.3746
Android (android.graphics.Color)	4288262803 (0xFF99B293)
YUV	166.9910, -9.8556, -12.2701
Hunter-Lab	63.8353, -15.6605, 13.4015

Details

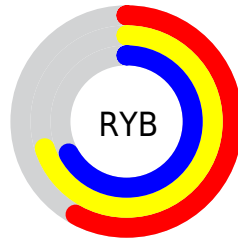
The CIELCh color **70, 19.514, 138.169** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **64, 19.674, 319.762**, and the grayscale version is **69, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 19.603, 137.790**, and **50, 19.413, 137.499** is the 20% darker color. If you saturate the color by 10%, you get **69, 30.759, 137.591**, and if you desaturate by 10%, it is **71, 8.268, 138.693**.

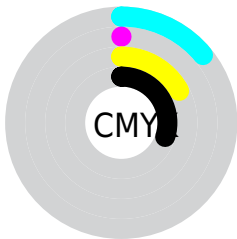
Distribution



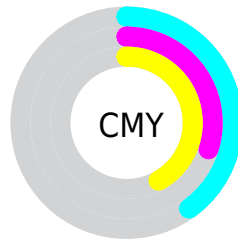
- Red (60%)
- Green (70%)
- Blue (58%)



- Red (58%)
- Yellow (70%)
- Blue (67%)



- Cyan (14%)
- Magenta (0%)
- Yellow (17%)
- Black (30%)





- Cyan (40%)
- Magenta (30%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.514, 138.169 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, 19.514, 138.169 by changing the saturation by 10% instead.


 70, 19.514,
138.169


 70, 19.514,
138.169


 100, 19.514,
138.169


 60, 19.514,
138.169


 90, 19.514,
138.169

 50, 19.514,
138.169

 40, 19.514,
138.169

 30, 19.514,
138.169

 20, 19.514,
138.169

 10, 19.514,
138.169

 0, 19.514, 138.169

70, 19.514,
138.169

70, 19.514,
138.169

69, 30.759,
137.591

71, 8.268, 138.693

68, 41.849,
136.954

73, 2.878, 319.047

67, 52.587,
136.277

75, 13.848,
319.484

66, 62.702,
135.599

77, 24.591,
319.819

65, 71.839,
134.993

78, 35.074,
320.103

64, 79.553,
134.564

80, 45.280,
320.344

64, 85.376,
134.440

82, 47.930,
325.560

64, 89.089,

82, 48.163,
326.090

134.665

■ 64, 89.879,
134.704

Harmonies

Complementary

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



70, 19.514, 138.169



64, 19.674, 319.762

Rectangle

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



70, 19.514, 138.169



70, 19.514, 188.169



70, 19.514, 318.169



70, 19.514, 8.169

Sweetspot

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



70, 19.516, 138.170



91, 6.904, 138.812



70, 13.715, 98.422



49, 4.752, 138.776



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 19.516, 138.170



88, 29.217, 137.949



70, 16.752, 153.029



37, 6.338, 138.596



55, 80.250, 134.591



7, 15.514, 140.302

Inverse Universe

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



64, 19.674, 319.762



79, 29.500, 319.940



64, 16.875, 335.468



35, 6.372, 319.394



31, 80.324, 321.031



2, 14.964, 316.551

Previews

White Background



This preview shows how the CIELCh color 70, 19.514, 138.169 looks on a white background.

Color Contrast Check

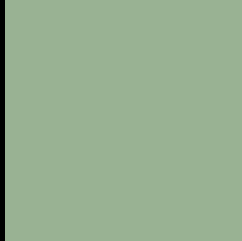
Large Text (above 18pt) WCAG AA × Fail

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 70, 19.514, 138.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

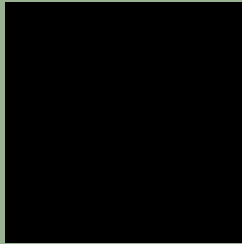
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 19.514, 138.169

Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.514, 138.169.

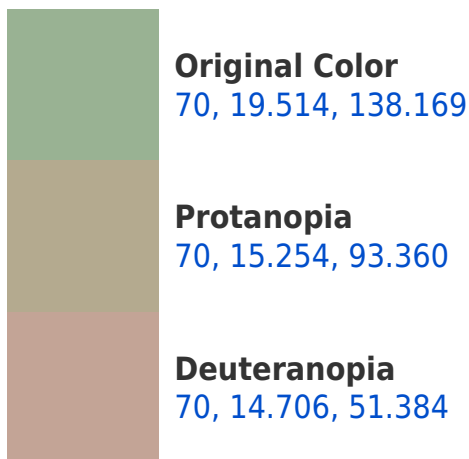


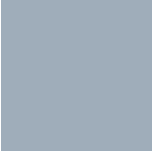
This preview shows how white text looks on a background with the CIELCh color 70, 19.514, 138.169.

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, 8.591, 255.350

Trichromacy



Original Color
70, 19.514, 138.169

Protanomaly
70, 15.816, 112.907

Deuteranomaly
70, 11.759, 87.189

Tritanomaly
70, 6.859, 185.020

Monochromacy



Original Color
70, 19.514, 138.169

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 6.962, 139.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 19.514, 138.169 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(153, 178, 147)` looks like.

```
.text, #text, p{  
    color:rgb(153, 178, 147)  
}
```

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(153, 178, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 178, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 19.514, 138.169 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(153, 178, 147) }
```

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

```
.border{ border-color:rgb(153, 178, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 178, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 178, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 178, 147); box-shadow:4px 4px 4px 4px rgb(153, 178, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 19.514, 138.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 178, 147) }
```

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

```
.background{ background-color: rgb(153,  
178, 147) }
```

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](#).

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