

# Converting Colors

CIELCh(70, 19.243, 132.445)

Have a look what the booklet for  
CIELCh(70, 19.243, 132.445)  
contains.

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# Color

**CIELCh(70, 19.117, 132.536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DB191
RGB	157, 177, 145
RGB Percent	62%, 69%, 57%
CMY	0.3836, 0.3052, 0.4307
CMYK	0.11, 0.00, 0.18, 0.31
HSL	98°, 17%, 63%
HSV	98°, 18%, 69%
XYZ	34.8196, 40.7494, 32.8871
YIQ	167.3720, -1.6480, -14.1920

# Conversions

## Conversions Part 2

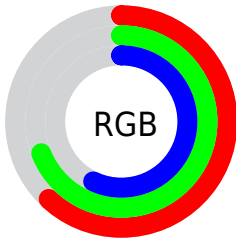
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 177, 165</a>
Decimal	<a href="#">10334609</a>
CIELab	<a href="#">70.00, -12.92, 14.09</a>
CIElCh	<a href="#">70, 19.117, 132.536</a>
Yxy	<a href="#">40.7494, 0.3210, 0.3757</a>
Android (android.graphics.Color)	<a href="#">4288524689 (0xFF9DB191)</a>
YUV	<a href="#">167.3720, -11.0294, -9.0962</a>
Hunter-Lab	<a href="#">63.8353, -14.3470, 14.1393</a>

# Details

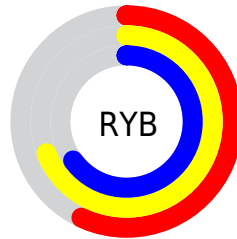
The CIELCh color **70, 19.117, 132.536** is a light color, and the websafe version is hex **999966**. A complement of this color would be **63, 19.456, 314.066**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 19.243, 132.445**, and **50, 19.176, 132.550** is the 20% darker color. If you saturate the color by 10%, you get **69, 29.696, 132.052**, and if you desaturate by 10%, it is **71, 8.511, 132.997**.

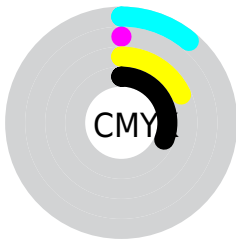
# Distribution



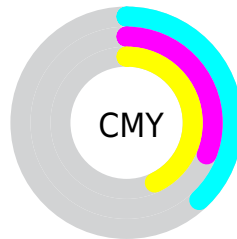
- Red (62%)
- Green (69%)
- Blue (57%)



- Red (57%)
- Yellow (69%)
- Blue (65%)



- Cyan (11%)
- Magenta (0%)
- Yellow (18%)
- Black (31%)




- Cyan (38%)
- Magenta (31%)
- Yellow (43%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 19.117, 132.536 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, 19.117, 132.536 by changing the saturation by 10% instead.





 70, 19.117,  
132.536


 70, 19.117,  
132.536


 100, 19.117,  
132.536


 60, 19.117,  
132.536


 90, 19.117,  
132.536


 50, 19.117,  
132.536

 40, 19.117,  
132.536

 30, 19.117,  
132.536

 20, 19.117,  
132.536

 10, 19.117,  
132.536

 0, 19.117, 132.536

70, 19.117,  
132.536

70, 19.117,  
132.536

69, 29.696,  
132.052

71, 8.511, 132.997

68, 40.126,  
131.549

73, 2.042, 313.318

67, 50.243,  
131.058

74, 12.482,  
313.743

66, 59.814,  
130.630

75, 22.768,  
314.073

65, 68.517,  
130.343

77, 32.869,  
314.360

65, 75.939,  
130.309

79, 42.769,  
314.611

64, 81.639,  
130.654

80, 45.744,  
318.283

64, 85.479,

81, 47.260,  
322.641

131.402

 82, 48.705,  
326.108

 64, 86.140,  
131.537

# Harmonies

# Complementary

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



70, 19.117, 132.536



63, 19.456, 314.066

# Rectangle

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



70, 19.117, 132.536



70, 19.117, 182.536



70, 19.117, 312.536



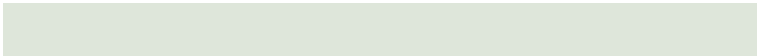
70, 19.117, 2.536

# Sweetspot

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



70, 19.119, 132.538



90, 6.500, 133.133



68, 11.887, 84.614



48, 4.432, 133.101



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, 19.119, 132.538



88, 28.742, 132.331



69, 19.798, 146.617



37, 6.015, 132.940



56, 77.158, 131.365



7, 14.896, 136.064



# Inverse Universe

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



63, 19.456, 314.066



77, 29.370, 314.258



64, 19.837, 328.819



35, 6.076, 313.681



26, 82.898, 315.263



2, 14.185, 309.568



# Previews

## White Background



This preview shows how the CIELCh color 70, 19.117, 132.536 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, 19.117, 132.536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

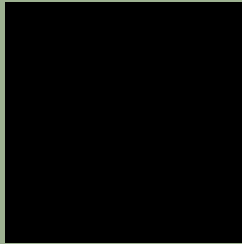
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 19.117, 132.536

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 19.117, 132.536.



This preview shows how white text looks on a background with the CIELCh color 70, 19.117, 132.536.

# 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

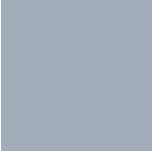


**Original Color**  
70, 19.117, 132.536

**Protanopia**  
70, 15.780, 93.798

**Deuteranopia**  
70, 15.705, 53.826





**Tritanopia**  
70, 7.754, 266.221

# Trichromacy



**Original Color**  
70, 19.117, 132.536

**Protanomaly**  
70, 16.308, 109.929

**Deuteranomaly**  
70, 13.088, 85.507

**Tritanomaly**  
70, 5.122, 180.356

# Monochromacy



**Original Color**  
70, 19.117, 132.536

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 6.608, 133.444

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 19.117, 132.536 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(157, 177, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 177, 145) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 19.117, 132.536 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, 145) }
```

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

```
.border{ border-color:rgb(157, 177, 145) }
```

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, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 177, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 177, 145);  
box-shadow:4px 4px 4px 4px rgb(157, 177,  
145) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 19.117, 132.536 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, 145) }
```

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

```
.background{ background-color: rgb(157,  
177, 145) }
```

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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