

Converting Colors

CIELCh(70, 10.227, 133.642)

Have a look what the booklet for
CIELCh(70, 10.227, 133.642)
contains.

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Color

CIELCh(70, 10.227, 133.642)

Conversions

Conversions Part 1

Format	Color
Hex	A3AE9D
RGB	163, 174, 157
RGB Percent	64%, 68%, 62%
CMY	0.3589, 0.3157, 0.3824
CMYK	0.06, 0.00, 0.10, 0.32
HSL	99°, 10%, 65%
HSV	99°, 10%, 68%
XYZ	36.5606, 40.7494, 38.0515
YIQ	168.7730, -1.0990, -7.6190

Conversions

Conversions Part 2

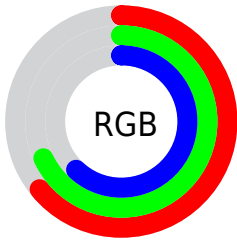
Format	Color
RYB	157, 174, 168
Decimal	10727069
CIELab	70.00, -7.06, 7.40
CIELCh	70, 10.227, 133.642
Yxy	40.7494, 0.3169, 0.3532
Android (android.graphics.Color)	4288917149 (0xFFA3AE9D)
YUV	168.7730, -5.8041, -5.0629
Hunter-Lab	63.8353, -9.4789, 9.3426

Details

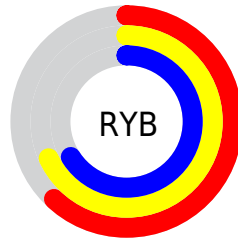
The CIELCh color $70, 10.227, 133.642$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 10.328, 314.421$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 9.705, 133.742$, and $50, 10.397, 134.804$ is the 20% darker color. If you saturate the color by 10%, you get $69, 20.774, 133.178$, and if you desaturate by 10%, it is $71, 0.270, 313.495$.

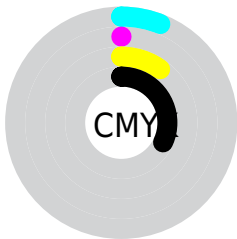
Distribution



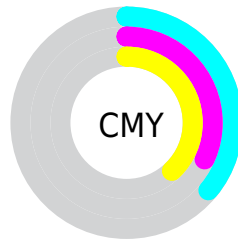
- Red (64%)
- Green (68%)
- Blue (62%)



- Red (62%)
- Yellow (68%)
- Blue (66%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)





- Cyan (36%)
- Magenta (32%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 10.227, 133.642 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, 10.227, 133.642 by changing the saturation by 10% instead.


 70, 10.227,
133.642


 70, 10.227,
133.642


 100, 10.227,
133.642


 60, 10.227,
133.642


 90, 10.227,
133.642

 50, 10.227,
133.642

 40, 10.227,
133.642

 30, 10.227,
133.642

 20, 10.227,
133.642

 10, 10.227,
133.642

 0, 10.227, 133.642

70, 10.227,
133.642

70, 10.227,
133.642

69, 20.774,
133.178

71, 0.270, 313.495

68, 31.276,
132.682

73, 10.659,
314.404

67, 41.609,
132.168

74, 20.893,
314.740

66, 51.597,
131.668

76, 30.942,
315.030

65, 60.995,
131.234

77, 40.785,
315.283

64, 69.466,
130.951

79, 47.007,
317.251


64, 76.587,
130.935


80, 48.466,
321.596

63, 81.934,

81, 50.166,
325.742

131.308

 81, 50.357,
326.163

 63, 85.568,
132.011

Harmonies

Complementary

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



70, 10.227, 133.642



66, 10.328, 314.421

Rectangle

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



70, 10.227, 133.642



70, 10.227, 183.642



70, 10.227, 313.642



70, 10.227, 3.642

Sweetspot

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



70, 10.229, 133.645



90, 3.880, 133.960



69, 6.358, 87.122



48, 2.968, 133.918



96, 0.011, 296.813



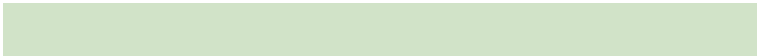
48, 0.006, 296.813

Same Dimension

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



70, 10.229, 133.645



88, 15.604, 133.533



70, 10.386, 147.732



36, 5.908, 133.665



55, 76.644, 131.856



6, 12.699, 136.119

Inverse Universe

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



66, 10.328, 314.421



83, 15.785, 314.528



67, 10.410, 328.849



34, 5.964, 314.402



26, 81.518, 315.915



1, 12.192, 310.879

Previews

White Background



This preview shows how the CIELCh color 70, 10.227, 133.642 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, 10.227, 133.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

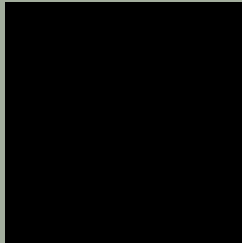
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

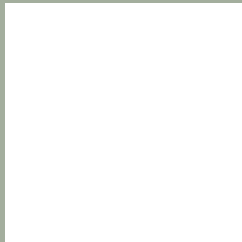
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 10.227, 133.642

Background



This preview shows how black text looks on a background with the CIELCh color 70, 10.227, 133.642.



This preview shows how white text looks on a background with the CIELCh color 70, 10.227, 133.642.

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, 10.227, 133.642

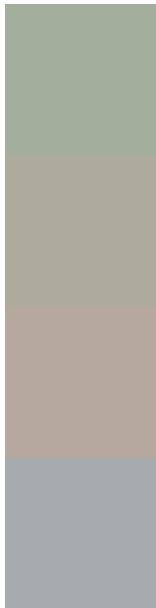
Protanopia
70, 8.754, 88.322

Deuteranopia
70, 11.148, 37.234



Tritanopia
70, 7.184, 282.175

Trichromacy



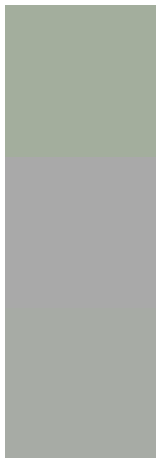
Original Color
70, 10.227, 133.642

Protanomaly
70, 8.723, 106.733

Deuteranomaly
70, 7.732, 64.463

Tritanomaly
70, 2.466, 225.827

Monochromacy



Original Color
70, 10.227, 133.642

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 3.626, 134.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 10.227, 133.642 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(163, 174, 157)` looks like.

```
.text, #text, p{  
    color:rgb(163, 174, 157)  
}
```

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(163, 174, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 174, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 10.227, 133.642 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(163, 174, 157) }
```

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

```
.border{ border-color:rgb(163, 174, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 174, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 174, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 174, 157);  
box-shadow:4px 4px 4px 4px rgb(163, 174,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 10.227, 133.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 174, 157) }
```

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

```
.background{ background-color: rgb(163,  
174, 157) }
```

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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