

# Converting Colors

CIELCh(70, 20.191, 122.591)

Have a look what the booklet for  
CIELCh(70, 20.191, 122.591)  
contains.

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# Color

**CIELCh(70, 20.216, 123.015)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3B08C
RGB	163, 176, 140
RGB Percent	64%, 69%, 55%
CMY	0.3606, 0.3096, 0.4508
CMYK	0.07, 0.00, 0.20, 0.31
HSL	82°, 19%, 62%
HSV	82°, 20%, 69%
XYZ	35.3800, 40.7494, 30.8251
YIQ	168.0090, 3.8080, -13.9520

# Conversions

## Conversions Part 2

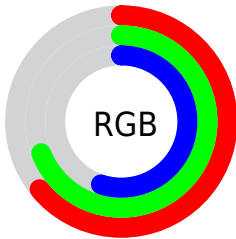
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 176, 153
Decimal	10727564
CIELab	70.00, -11.01, 16.95
CIElCh	70, 20.216, 123.015
Yxy	40.7494, 0.3308, 0.3810
Android (android.graphics.Color)	4288917644 (0xFFA3B08C)
YUV	168.0090, -13.8084, -4.3929
Hunter-Lab	63.8353, -12.7799, 16.0545

# Details

The CIELCh color **70, 20.216, 123.015** is a light color, and the websafe version is hex **999966**. A complement of this color would be **60, 20.955, 305.234**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 20.306, 123.496**, and **50, 20.404, 123.503** is the 20% darker color. If you saturate the color by 10%, you get **69, 29.994, 122.482**, and if you desaturate by 10%, it is **71, 10.341, 123.551**.

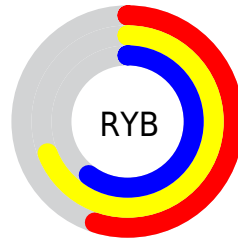
# Distribution



Red (64%)

Green (69%)

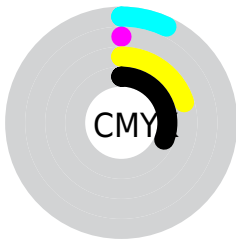
Blue (55%)



Red (55%)

Yellow (69%)

Blue (60%)

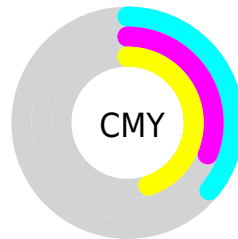


Cyan (7%)

Magenta (0%)

Yellow (20%)

Black (31%)



Cyan (36%)

Magenta (31%)


Yellow (45%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 20.216, 123.015 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, 20.216, 123.015 by changing the saturation by 10% instead.





 70, 20.216,  
123.015


 70, 20.216,  
123.015


 100, 20.216,  
123.015


 60, 20.216,  
123.015


 90, 20.216,  
123.015


 50, 20.216,  
123.015

 40, 20.216,  
123.015

 30, 20.216,  
123.015

 20, 20.216,  
123.015

 10, 20.216,  
123.015

 0, 20.216, 123.015

70, 20.216,  
123.015

70, 20.216,  
123.015

69, 29.994,  
122.482

71, 10.341,  
123.551

68, 39.562,  
121.966

72, 0.439, 124.203

68, 48.764,  
121.508

73, 9.438, 304.535

67, 57.366,  
121.164

74, 19.251,  
304.991

67, 65.042,  
121.017

75, 28.973,  
305.411

66, 71.376,  
121.176

76, 38.585,  
305.798

66, 75.967,  
121.752

77, 43.828,  
307.249

65, 78.889,

78, 44.302,  
309.921

122.645

 78, 44.865,  
312.568

# Harmonies

# Complementary

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



70, 20.216, 123.015



60, 20.955, 305.234

# Rectangle

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



70, 20.216, 123.015



70, 20.216, 173.015



70, 20.216, 303.015



70, 20.216, 353.015

# Sweetspot

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



70, 20.218, 123.018



90, 7.360, 123.781



65, 11.826, 56.047



48, 4.878, 123.748



96, 0.011, 296.813



48, 0.006, 296.813



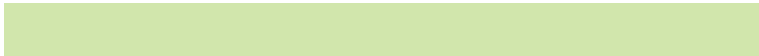


# Same Dimension

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



70, 20.218, 123.018



88, 30.617, 122.750



69, 23.041, 139.230



37, 5.666, 123.611



57, 71.049, 122.471



7, 14.050, 128.048



# Inverse Universe

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



60, 20.955, 305.234



74, 32.034, 305.559



62, 23.204, 321.210



35, 5.764, 304.566



21, 87.548, 309.360



1, 13.593, 301.005



# Previews

## White Background



This preview shows how the CIELCh color 70, 20.216, 123.015 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, 20.216, 123.015 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, 20.216, 123.015

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 20.216, 123.015.

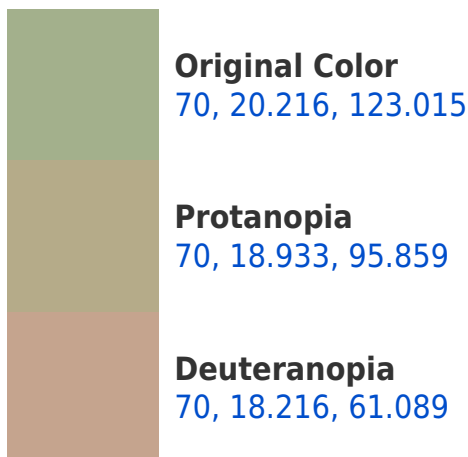


This preview shows how white text looks on a background with the CIELCh color 70, 20.216, 123.015.


# 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, 7.677, 288.237

# Trichromacy



**Original Color**  
70, 20.216, 123.015

**Protanomaly**  
70, 18.997, 107.032

**Deuteranomaly**  
70, 16.300, 83.590

**Tritanomaly**  
70, 2.899, 150.446

# Monochromacy



**Original Color**  
70, 20.216, 123.015

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 7.375, 124.577

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 20.216, 123.015 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, 176, 140)` looks like.

```
.text, #text, p{  
    color:rgb(163, 176, 140)  
}
```

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, 176, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 176, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 20.216, 123.015 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, 176, 140) }
```

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

```
.border{ border-color:rgb(163, 176, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 176, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 176, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 176, 140);  
box-shadow:4px 4px 4px 4px rgb(163, 176,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 20.216, 123.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 176, 140) }
```

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

```
.background{ background-color: rgb(163,  
176, 140) }
```

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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