

# Converting Colors

CIELCh(70, 16.963, 92.044)

Have a look what the booklet for  
CIELCh(70, 16.963, 92.044) contains.

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# Color

**CIELCh(70, 17.055, 91.915)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B6AA8C
RGB	182, 170, 140
RGB Percent	71%, 67%, 55%
CMY	0.2850, 0.3321, 0.4498
CMYK	0.00, 0.07, 0.23, 0.29
HSL	43°, 22%, 63%
HSV	43°, 23%, 71%
XYZ	38.5527, 40.7494, 30.7591
YIQ	170.1680, 16.7820, -6.7860

# Conversions

## Conversions Part 2

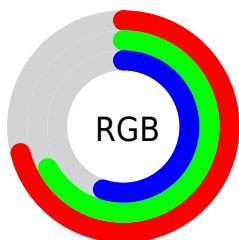
Format	Color
<a href="#">RYB</a>	<a href="#">157, 182, 140</a>
Decimal	<a href="#">11971212</a>
CIELab	<a href="#">70.00, -0.57, 17.05</a>
CIELCh	<a href="#">70, 17.055, 91.915</a>
Yxy	<a href="#">40.7494, 0.3503, 0.3702</a>
Android (android.graphics.Color)	<a href="#">4290161292</a> ( <a href="#">0xFFB6AA8C</a> )
YUV	<a href="#">170.1680, -14.8728, 10.3767</a>
Hunter-Lab	<a href="#">63.8353, -3.9083, 16.1158</a>

# Details

The CIELCh color **70, 17.055, 91.915** is a light color, and the websafe version is hex **999966**. A complement of this color would be **63, 17.180, 277.984**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 16.778, 91.725**, and **50, 16.997, 91.384** is the 20% darker color. If you saturate the color by 10%, you get **68, 24.617, 90.638**, and if you desaturate by 10%, it is **72, 9.579, 93.163**.

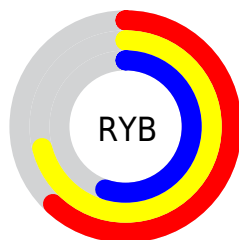
# Distribution



Red (71%)

Green (67%)

Blue (55%)



Red (62%)

Yellow (71%)

Blue (55%)

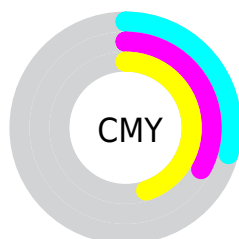


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (29%)



Cyan (29%)

Magenta (33%)

Yellow (45%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 17.055, 91.915 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, 17.055, 91.915 by changing the saturation by 10% instead.



 70, 17.055, 91.915

 70, 17.055, 91.915

 100, 17.055,  
91.915

 60, 17.055, 91.915

 90, 17.055, 91.915

 50, 17.055, 91.915

 40, 17.055, 91.915

 30, 17.055, 91.915

 20, 17.055, 91.915

 10, 17.055, 91.915

 0, 17.055, 91.915

 70, 17.055, 91.915

 70, 17.055, 91.915

 68, 24.617, 90.638

 72, 9.579, 93.163

 67, 32.209, 89.317

 74, 2.212, 94.303


 65, 39.728, 87.959

 75, 5.037, 275.592

 63, 46.981, 86.553


 77, 12.169,  
276.684

 62, 53.634, 85.072


 79, 19.186,  
277.741

 60, 59.156, 83.452


 59, 62.872, 81.578

 81, 26.095,  
278.750

 58, 64.562, 80.148

 83, 26.402,  
275.293

 84, 24.238,  
269.212

 85, 22.390,  
262.100

# Harmonies

# Complementary

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



70, 17.055, 91.915



63, 17.180, 277.984

# Rectangle

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



70, 17.055, 91.915



70, 17.055, 141.915



70, 17.055, 271.915



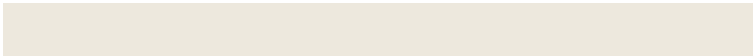
70, 17.055, 321.915

# Sweetspot

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



70, 17.056, 91.922



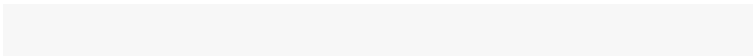
92, 6.330, 93.867



63, 17.931, 358.326



49, 4.149, 93.798



97, 0.011, 296.813



50, 0.007, 296.813



# Same Dimension

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



70, 17.056, 91.922



88, 25.756, 91.230



73, 22.836, 116.434



38, 4.170, 93.607



50, 57.462, 80.470



7, 10.180, 85.621





# Inverse Universe

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



63, 17.180, 277.984



77, 25.998, 278.921



60, 23.993, 299.790



36, 4.189, 275.950



24, 71.681, 298.598



2, 12.282, 279.974



# Previews

## White Background



This preview shows how the CIELCh color 70, 17.055, 91.915 looks on a white background.

## Color Contrast Check

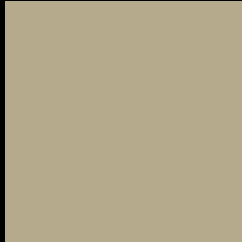
Large Text (above 18pt) WCAG AA × Fail

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, 17.055, 91.915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

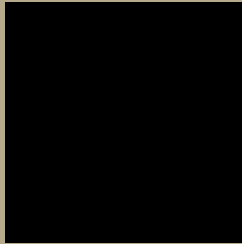
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 17.055, 91.915

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 17.055, 91.915.



This preview shows how white text looks on a background with the CIELCh color 70, 17.055, 91.915.

# 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, 17.055, 91.915

### Protanopia

70, 16.818, 94.594

### Deuteranopia

70, 18.924, 61.396

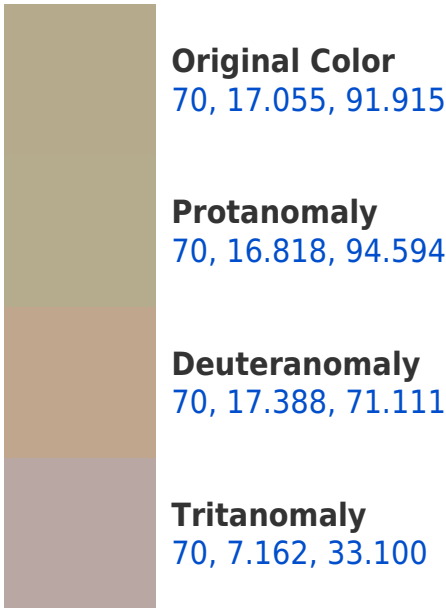


## Tritanopia

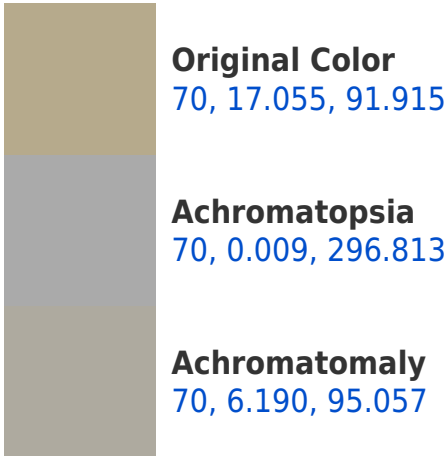
70, 10.949, 339.925



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 17.055, 91.915 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(182, 170, 140)` looks like.

```
.text, #text, p{  
    color:rgb(182, 170, 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(182, 170, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 170, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 17.055, 91.915 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(182, 170, 140) }
```

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

```
.border{ border-color:rgb(182, 170, 140) }
```

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

Here you see how a box with a 4 pixel rgb(182, 170, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 170, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 170, 140);  
box-shadow:4px 4px 4px 4px rgb(182, 170,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 17.055, 91.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 170, 140) }
```

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

```
.background{ background-color: rgb(182,  
170, 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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