

# Converting Colors

CIELCh(69, 8.075, 73.760)

Have a look what the booklet for  
CIELCh(69, 8.075, 73.760) contains.

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# **Color**

**CIELCh(69, 8.075, 73.760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3A79B
RGB	179, 167, 155
RGB Percent	70%, 65%, 61%
CMY	0.2999, 0.3469, 0.3940
CMYK	0.00, 0.07, 0.13, 0.30
HSL	30°, 14%, 65%
HSV	30°, 13%, 70%
XYZ	38.0914, 39.3444, 36.3939
YIQ	169.2200, 11.0040, -1.1880

# Conversions

## Conversions Part 2

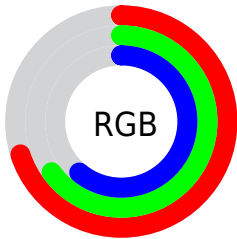
Format	Color
<a href="#">RYB</a>	<a href="#">179, 179, 155</a>
Decimal	<a href="#">11773851</a>
CIELab	<a href="#">69.00, 2.26, 7.75</a>
CIElCh	<a href="#">69, 8.075, 73.760</a>
Yxy	<a href="#">39.3444, 0.3346, 0.3456</a>
Android (android.graphics.Color)	<a href="#">4289963931</a> ( <a href="#">0xFFB3A79B</a> )
YUV	<a href="#">169.2200, -7.0105, 8.5771</a>
Hunter-Lab	<a href="#">62.7251, -1.3702, 9.5068</a>

# Details

The CIELCh color  $69, 8.075, 73.760$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $68, 7.813, 257.265$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 8.272, 74.014$ , and  $49, 7.958, 73.336$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 14.419, 72.562$ , and if you desaturate by 10%, it is  $72, 2.015, 74.861$ .

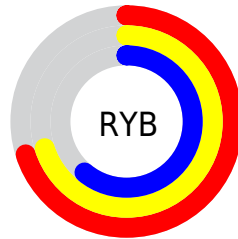
# Distribution



Red (70%)

Green (65%)

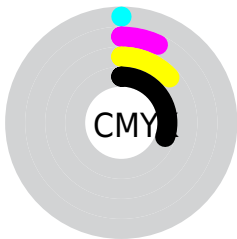
Blue (61%)



Red (70%)

Yellow (70%)

Blue (61%)

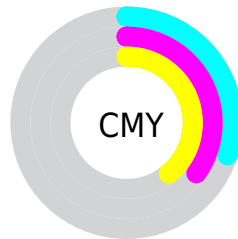


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 8.075, 73.760 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 69, 8.075, 73.760 by changing the saturation by 10% instead.



 69, 8.075, 73.760       69, 8.075, 73.760

 100, 8.075, 73.760       59, 8.075, 73.760

 89, 8.075, 73.760       49, 8.075, 73.760

 99, 8.075, 73.760       39, 8.075, 73.760

 29, 8.075, 73.760

 19, 8.075, 73.760

 9, 8.075, 73.760

 0, 8.075, 73.760

 69, 8.075, 73.760       69, 8.075, 73.760

 66, 14.419, 72.562       72, 2.015, 74.861

64, 21.061, 71.324

75, 3.788, 256.302

61, 28.002, 70.073

77, 9.357, 257.400

58, 35.208, 68.807

80, 14.718,  
258.499

56, 42.579, 67.502

83, 19.895,  
259.564

54, 49.888, 66.095

51, 56.677, 64.445

86, 22.135,  
255.189

49, 62.167, 62.277

88, 20.590,  
240.090

48, 65.194, 60.707

91, 20.571,  
224.018

93, 22.033,  
209.187

# Harmonies

# Complementary

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



69, 8.075, 73.760



68, 7.813, 257.265

# Rectangle

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



69, 8.075, 73.760



69, 8.075, 123.760



69, 8.075, 253.760



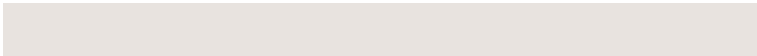
69, 8.075, 303.760

# Sweetspot

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



69, 8.076, 73.775



91, 2.908, 74.811



66, 11.338, 344.749



48, 2.088, 74.744



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



69, 8.076, 73.775



86, 11.981, 73.435



72, 12.970, 108.896



36, 3.371, 74.258



41, 58.044, 61.203



4, 7.581, 63.023





# Inverse Universe

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



68, 7.813, 257.265



85, 11.498, 257.688



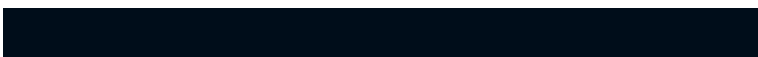
65, 13.370, 291.594



36, 3.300, 256.694



33, 48.630, 283.368

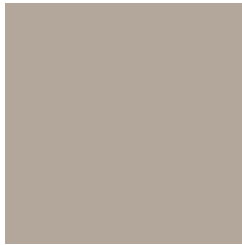


3, 8.802, 266.097



# Previews

## White Background



This preview shows how the CIELCh color 69, 8.075, 73.760 looks on a white background.

## Color Contrast Check

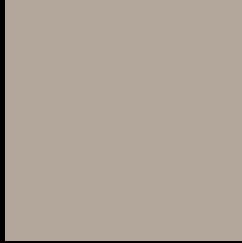
Large Text (above 18pt) WCAG AA × Fail

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 69, 8.075, 73.760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

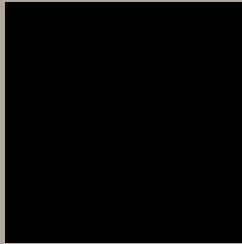
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 69, 8.075, 73.760**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 8.075, 73.760.



This preview shows how white text looks on a background with the CIELCh color 69, 8.075, 73.760.

# 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


69, 8.075, 73.760

### Protanopia

69, 7.606, 88.328

### Deuteranopia

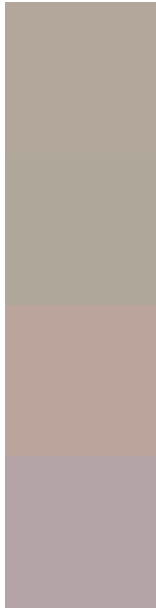
69, 11.599, 42.272



**Tritanopia**  
69, 9.876, 334.030



# Trichromacy



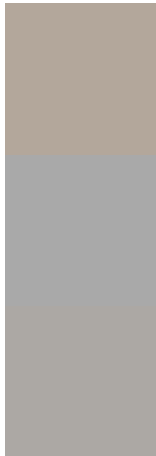
**Original Color**  
69, 8.075, 73.760

**Protanomaly**  
69, 7.442, 81.207

**Deuteranomaly**  
69, 10.015, 49.341

**Tritanomaly**  
69, 6.510, 0.282

# Monochromacy



**Original Color**  
69, 8.075, 73.760

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
69, 2.655, 74.742

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 8.075, 73.760 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(179, 167, 155)` looks like.

```
.text, #text, p{  
    color:rgb(179, 167, 155)  
}
```

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(179, 167, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 167, 155) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 8.075, 73.760 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(179, 167, 155) }
```

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

```
.border{ border-color:rgb(179, 167, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 167, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 167, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 167, 155);  
box-shadow:4px 4px 4px 4px rgb(179, 167,  
155) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 8.075, 73.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 167, 155) }
```

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

```
.background{ background-color: rgb(179,  
167, 155) }
```

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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