

# Converting Colors

CIELCh(69, 1.310, 353.597)

Have a look what the booklet for  
CIELCh(69, 1.310, 353.597) contains.

<b>CIELCh(69, 1.269, 353.522)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(69, 1.269, 353.522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABA8A9
RGB	171, 168, 169
RGB Percent	67%, 66%, 66%
CMY	0.3308, 0.3425, 0.3386
CMYK	0.00, 0.02, 0.01, 0.33
HSL	340°, 2%, 66%
HSV	340°, 2%, 67%
XYZ	37.7831, 39.3444, 42.9650
YIQ	169.0110, 1.4670, 0.9470

# Conversions

## Conversions Part 2

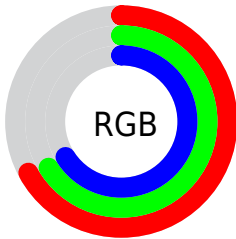
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">171, 168, 169</a>
Decimal	<a href="#">11249833</a>
CIELab	<a href="#">69.00, 1.26, -0.14</a>
CIELCh	<a href="#">69, 1.269, 353.522</a>
Yxy	<a href="#">39.3444, 0.3146, 0.3276</a>
Android (android.graphics.Color)	<a href="#">4289439913 (0xFFABA8A9)</a>
YUV	<a href="#">169.0110, -0.0054, 1.7444</a>
Hunter-Lab	<a href="#">62.7251, -2.2477, 3.2955</a>

# Details

The CIELCh color  $69, 1.269, 353.522$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $70, 1.253, 173.909$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 1.205, 353.389$ , and  $49, 1.356, 353.675$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 8.628, 354.793$ , and if you desaturate by 10%, it is  $74, 5.802, 173.122$ .

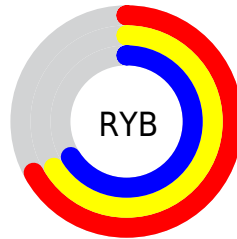
# Distribution



Red (67%)

Green (66%)

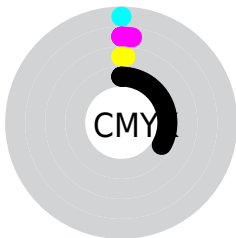
Blue (66%)



Red (67%)

Yellow (66%)

Blue (66%)

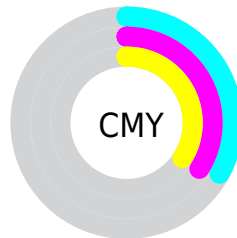


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (33%)



Cyan (33%)

Magenta (34%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 1.269, 353.522 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, 1.269, 353.522 by changing the saturation by 10% instead.



■ 69, 1.269, 353.522

■ 69, 1.269, 353.522

■ 100, 1.269,  
353.522

■ 59, 1.269, 353.522

■ 89, 1.269, 353.522

■ 49, 1.269, 353.522

■ 99, 1.269, 353.522

■ 39, 1.269, 353.522

■ 29, 1.269, 353.522

■ 19, 1.269, 353.522

■ 9, 1.269, 353.522

■ 0, 1.269, 353.522

■ 69, 1.269, 353.522

■ 69, 1.269, 353.522

■ 64, 8.628, 354.793

■ 74, 5.802, 173.122

60, 16.240,  
355.901

79, 12.567,  
172.330

55, 24.017,  
357.173

84, 19.036,  
171.638

51, 31.811,  
358.676

89, 25.222,  
171.012

47, 39.393, 0.495

94, 31.147,  
170.441

43, 46.454, 2.744

94, 29.287,  
179.023

40, 52.638, 5.572

38, 57.640, 9.148

95, 27.255,  
190.464

37, 61.357, 13.610

95, 26.579,  
197.779

# Harmonies

# Complementary

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



69, 1.269, 353.522



70, 1.253, 173.909

# Rectangle

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



69, 1.269, 353.522



69, 1.269, 43.522



69, 1.269, 173.522



69, 1.269, 223.522

# Sweetspot

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



69, 1.267, 353.564



88, 0.895, 353.263



69, 1.824, 314.657



47, 0.513, 353.225



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



69, 1.267, 353.564



87, 1.788, 353.635



69, 0.980, 35.178



35, 0.808, 353.591



31, 57.348, 17.020



2, 7.153, 356.910





# Inverse Universe

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



69, 1.267, 353.564



87, 1.788, 353.635



69, 0.972, 216.200



35, 0.808, 353.591



31, 57.348, 17.020



2, 7.153, 356.910



# Previews

## White Background



This preview shows how the CIELCh color 69, 1.269, 353.522 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 69, 1.269, 353.522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

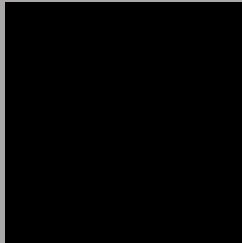
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

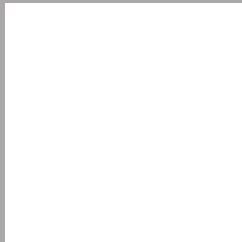
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 1.269, 353.522**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 1.269, 353.522.

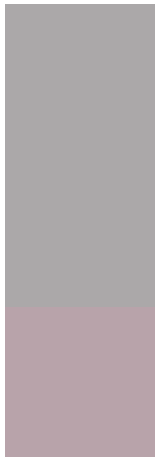


This preview shows how white text looks on a background with the CIELCh color 69, 1.269, 353.522.

# 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, 1.269, 353.522

### Protanopia

69, 1.269, 353.522

### Deuteranopia

69, 8.906, 354.720



**Tritanopia**  
69, 7.516, 308.031



# Trichromacy



## Original Color

69, 1.269, 353.522

## Protanomaly

69, 1.269, 353.522

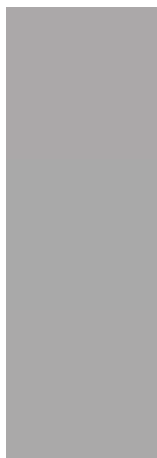
## Deuteranomaly

69, 6.007, 352.768

## Tritanomaly

69, 4.801, 313.467

# Monochromacy



## Original Color

69, 1.269, 353.522

## Achromatopsia

69, 0.009, 296.813

## Achromatomaly

69, 0.378, 18.152

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 1.269, 353.522 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(171, 168, 169)` looks like.

```
.text, #text, p{  
    color:rgb(171, 168, 169)  
}
```

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(171, 168, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 168, 169) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 1.269, 353.522 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(171, 168, 169) }
```

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

```
.border{ border-color:rgb(171, 168, 169) }
```

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

Here you see how a box with a 4 pixel rgb(171, 168, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 168, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 168, 169);  
box-shadow:4px 4px 4px 4px rgb(171, 168,  
169) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 1.269, 353.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 168, 169) }
```

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

```
.background{ background-color: rgb(171,  
168, 169) }
```

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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