

# Converting Colors

CIELCh(69, 14.033, 336.990)

Have a look what the booklet for  
CIELCh(69, 14.033, 336.990)  
contains.

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# Color

**CIELCh(69, 14.186, 336.663)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCA1B3
RGB	188, 161, 179
RGB Percent	74%, 63%, 70%
CMY	0.2634, 0.3693, 0.2987
CMYK	0.00, 0.14, 0.05, 0.26
HSL	320°, 17%, 68%
HSV	320°, 14%, 74%
XYZ	41.5276, 39.3444, 47.9588
YIQ	171.1250, 10.3140, 11.3220

# Conversions

## Conversions Part 2

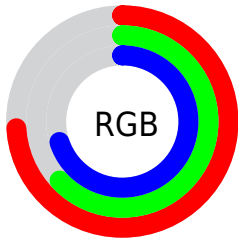
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	188, 161, 179
Decimal	12362163
CIE Lab	69.00, 13.03, -5.62
CIE LCh	69, 14.186, 336.663
Yxy	39.3444, 0.3223, 0.3054
Android (android.graphics.Color)	4290552243 (0xFFBCA1B3)
YUV	171.1250, 3.8824, 14.7994
Hunter-Lab	62.7251, 8.4082, -1.4248

# Details

The CIELCh color  $69, 14.186, 336.663$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $74, 14.074, 154.626$ , and the grayscale version is  $70, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 14.100, 335.948$ , and  $49, 14.426, 337.568$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 24.166, 337.446$ , and if you desaturate by 10%, it is  $74, 4.281, 335.891$ .

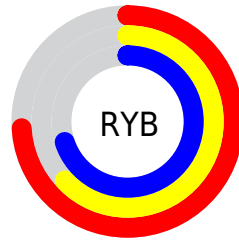
# Distribution



Red (74%)

Green (63%)

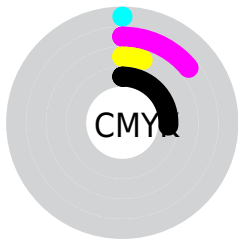
Blue (70%)



Red (74%)

Yellow (63%)

Blue (70%)

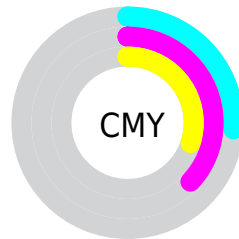


Cyan (0%)

Magenta (14%)

Yellow (5%)

Black (26%)



Cyan (26%)

Magenta (37%)

Yellow (30%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 14.186, 336.663 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, 14.186, 336.663 by changing the saturation by 10% instead.



 69, 14.186,  
336.663

 69, 14.186,  
336.663

 100, 14.186,  
336.663

 59, 14.186,  
336.663

 89, 14.186,  
336.663

 49, 14.186,  
336.663

 99, 14.186,  
336.663

 39, 14.186,  
336.663

 29, 14.186,  
336.663

 19, 14.186,  
336.663

 9, 14.186, 336.663

 0, 14.186, 336.663

69, 14.186,  
336.663

69, 14.186,  
336.663

64, 24.166,  
337.446

74, 4.281, 335.891

60, 34.050,  
338.283

79, 5.432, 155.356

84, 14.892,  
154.686

55, 43.572,  
339.194

89, 24.070,  
154.085

51, 52.369,  
340.203

95, 32.957,  
153.524

48, 59.990,  
341.347

95, 30.807,  
157.534

45, 65.951,  
342.680

95, 28.652,  
162.210

43, 69.849,  
344.276

95, 26.688,  
167.580

42, 71.523,

346.226

95, 24.965,  
173.717

41, 71.860,  
347.448

# Harmonies

# Complementary

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



69, 14.186, 336.663



74, 14.074, 154.626

# Rectangle

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



69, 14.186, 336.663



69, 14.186, 26.663



69, 14.186, 156.663



69, 14.186, 206.663

# Sweetspot

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



69, 14.184, 336.665



94, 4.857, 335.864



68, 15.310, 303.870



50, 3.452, 335.929



98, 0.011, 296.813



51, 0.007, 296.813





# Same Dimension

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



69, 14.184, 336.665



86, 20.845, 336.887



69, 10.732, 7.137



37, 5.593, 336.285



35, 63.422, 347.113



3, 15.640, 341.738



# Inverse Universe

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



69, 14.184, 336.665



86, 20.845, 336.887



74, 10.084, 184.638



37, 5.593, 336.285



35, 63.422, 347.113

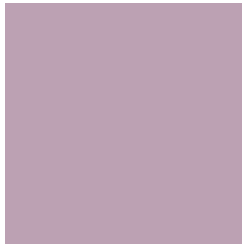


3, 15.640, 341.738



# Previews

## White Background



This preview shows how the CIELCh color 69, 14.186, 336.663 looks on a white background.

## Color Contrast Check

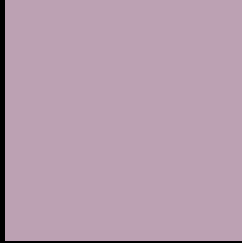
Large Text (above 18pt) WCAG AA × Fail

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, 14.186, 336.663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

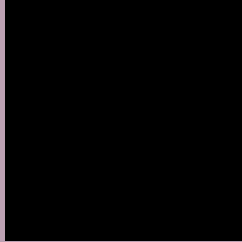
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 14.186, 336.663

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 14.186, 336.663.



This preview shows how white text looks on a background with the CIELCh color 69, 14.186, 336.663.

# 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, 14.186, 336.663

### Protanopia

69, 8.798, 291.069

### Deuteranopia

69, 9.787, 328.531





**Tritanopia**  
69, 11.565, 345.859

# Trichromacy



**Original Color**  
69, 14.186, 336.663

**Protanomaly**  
69, 9.586, 313.660

**Deuteranomaly**  
69, 11.178, 333.018

**Tritanomaly**  
69, 12.197, 341.586

# Monochromacy



**Original Color**  
69, 14.186, 336.663

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
69, 5.405, 334.606

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 14.186, 336.663 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(188, 161, 179)` looks like.

```
.text, #text, p{  
    color:rgb(188, 161, 179)  
}
```

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(188, 161, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 161, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 14.186, 336.663 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(188, 161, 179) }
```

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

```
.border{ border-color:rgb(188, 161, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 161, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 161, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 161, 179);  
box-shadow:4px 4px 4px 4px rgb(188, 161,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 14.186, 336.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 161, 179) }
```

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

```
.background{ background-color: rgb(188,  
161, 179) }
```

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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