

# Converting Colors

CIELCh(69, 32.572, 333.900)

Have a look what the booklet for  
CIELCh(69, 32.572, 333.900)  
contains.

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**Color**

**CIELCh(69, 32.630, 333.746)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D196C3
RGB	209, 150, 195
RGB Percent	82%, 59%, 76%
CMY	0.1801, 0.4115, 0.2350
CMYK	0.00, 0.28, 0.07, 0.18
HSL	314°, 39%, 70%
HSV	314°, 28%, 82%
XYZ	47.0912, 39.3444, 56.7847
YIQ	172.7710, 20.7190, 26.5030

# Conversions

## Conversions Part 2

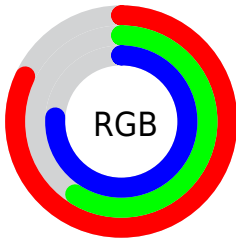
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 150, 195
Decimal	13735619
CIE Lab	69.00, 29.26, -14.43
CIE LCh	69, 32.630, 333.746
Yxy	39.3444, 0.3288, 0.2747
Android (android.graphics.Color)	4291925699 (0xFFD196C3)
YUV	172.7710, 10.9589, 31.7728
Hunter-Lab	62.7251, 24.2409, -9.7674

# Details

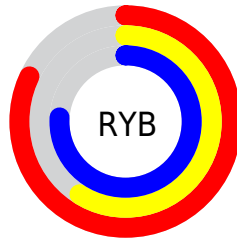
The CIELCh color  $69, 32.630, 333.746$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $79, 32.426, 149.708$ , and the grayscale version is  $71, 0.009, 296.813$ .

A 20% lighter version of the original color is  $88, 30.105, 327.202$ , and  $49, 32.787, 334.077$  is the 20% darker color. If you saturate the color by 10%, you get  $64, 43.952, 334.480$ , and if you desaturate by 10%, it is  $74, 21.039, 333.043$ .

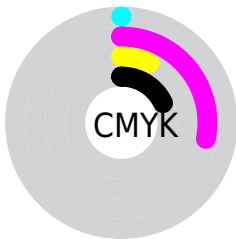
# Distribution



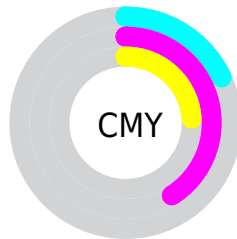
- Red (82%)
- Green (59%)
- Blue (76%)



- Red (82%)
- Yellow (59%)
- Blue (76%)



- Cyan (0%)
- Magenta (28%)
- Yellow (7%)
- Black (18%)



- Cyan (18%)
- Magenta (41%)
- Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 32.630, 333.746 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, 32.630, 333.746 by changing the saturation by 10% instead.




 69, 32.630,  
333.746


 69, 32.630,  
333.746


 100, 32.630,  
333.746

 59, 32.630,  
333.746

 89, 32.630,  
333.746

 49, 32.630,  
333.746

 99, 32.630,  
333.746

 39, 32.630,  
333.746

 29, 32.630,  
333.746

 19, 32.630,  
333.746

 9, 32.630, 333.746

 0, 32.630, 333.746

69, 32.630,  
333.746

69, 32.630,  
333.746

64, 43.952,  
334.480

74, 21.039,  
333.043

60, 54.660,  
335.252

79, 9.437, 332.358

56, 64.290,  
336.072

85, 2.015, 151.923

90, 13.215,  
151.180

53, 72.311,  
336.961

96, 24.112,  
150.596

50, 78.210,  
337.949

96, 22.457,  
154.705

48, 81.641,  
339.082


96, 20.691,  
159.610

47, 82.705,  
340.401

96, 19.088,  
165.355

47, 82.800,

340.645

 97, 17.692,  
172.051

# Harmonies

# Complementary

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



69, 32.630, 333.746



79, 32.426, 149.708

# Rectangle

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



69, 32.630, 333.746



69, 32.630, 23.746



69, 32.630, 153.746



69, 32.630, 203.746

# Sweetspot

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



69, 32.627, 333.747



95, 10.790, 332.349



65, 33.263, 301.435



50, 7.676, 332.454



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



69, 32.627, 333.747



79, 46.074, 334.195



68, 24.457, 1.408



41, 6.520, 332.440



38, 70.635, 340.410



5, 25.899, 337.504



# Inverse Universe

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



69, 32.627, 333.747



79, 46.074, 334.195



80, 22.269, 175.581



41, 6.520, 332.440



38, 70.635, 340.410

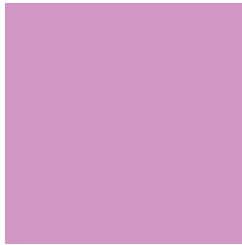


5, 25.899, 337.504



# Previews

## White Background



This preview shows how the CIELCh color 69, 32.630, 333.746 looks on a white background.

## Color Contrast Check

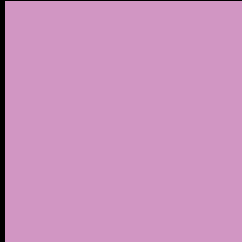
Large Text (above 18pt) WCAG AA × Fail

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, 32.630, 333.746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

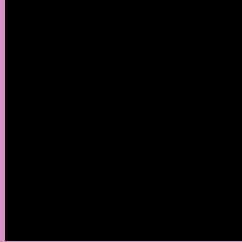
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 32.630, 333.746

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 32.630, 333.746.

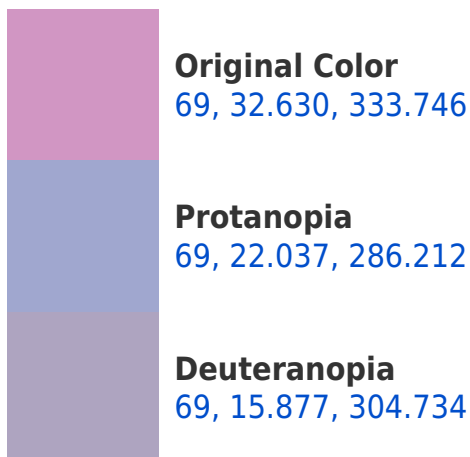


This preview shows how white text looks on a background with the CIELCh color 69, 32.630, 333.746.

# 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**  
69, 20.475, 2.834

# Trichromacy



**Original Color**  
69, 32.630, 333.746

**Protanomaly**  
69, 23.971, 306.775

**Deuteranomaly**  
69, 21.356, 320.292

**Tritanomaly**  
69, 23.975, 348.717

# Monochromacy



**Original Color**  
69, 32.630, 333.746

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
70, 11.804, 332.592

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 32.630, 333.746 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(209, 150, 195)` looks like.

```
.text, #text, p{  
    color:rgb(209, 150, 195)  
}
```

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(209, 150, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 150, 195) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 32.630, 333.746 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(209, 150, 195) }
```

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

```
.border{ border-color:rgb(209, 150, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 150, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 150, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 150, 195);  
box-shadow:4px 4px 4px 4px rgb(209, 150,  
195) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 32.630, 333.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 150, 195) }
```

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

```
.background{ background-color: rgb(209,  
150, 195) }
```

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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