

# Converting Colors

CIELCh(69, 31.129, 337.645)

Have a look what the booklet for  
CIELCh(69, 31.129, 337.645)  
contains.

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**Color**

**CIELCh(69, 31.036, 337.806)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D296BE
RGB	210, 150, 190
RGB Percent	82%, 59%, 75%
CMY	0.1756, 0.4109, 0.2540
CMYK	0.00, 0.29, 0.10, 0.18
HSL	320°, 40%, 71%
HSV	320°, 29%, 82%
XYZ	46.9031, 39.3444, 53.9648
YIQ	172.5000, 22.9200, 25.1600

# Conversions

## Conversions Part 2

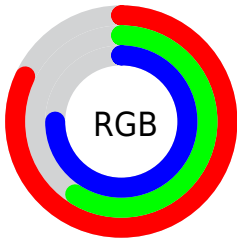
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 150, 190
Decimal	13801150
CIE Lab	69.00, 28.74, -11.72
CIE LCh	69, 31.036, 337.806
Yxy	39.3444, 0.3345, 0.2806
Android (android.graphics.Color)	4291991230 (0xFFD296BE)
YUV	172.5000, 8.6275, 32.8875
Hunter-Lab	62.7251, 23.7057, -7.1018

# Details

The CIELCh color **69, 31.036, 337.806** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **79, 30.625, 153.331**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 27.707, 331.057**, and **49, 31.488, 337.645** is the 20% darker color. If you saturate the color by 10%, you get **64, 41.732, 338.681**, and if you desaturate by 10%, it is **74, 20.111, 336.998**.

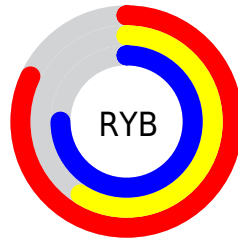
# Distribution



Red (82%)

Green (59%)

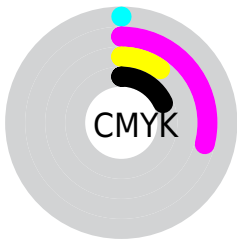
Blue (75%)



Red (82%)

Yellow (59%)

Blue (75%)

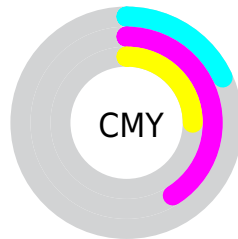


Cyan (0%)

Magenta (29%)

Yellow (10%)

Black (18%)



Cyan (18%)

Magenta (41%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 31.036, 337.806 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, 31.036, 337.806 by changing the saturation by 10% instead.




 69, 31.036,  
337.806


 69, 31.036,  
337.806


 100, 31.036,  
337.806


 59, 31.036,  
337.806


 89, 31.036,  
337.806

 49, 31.036,  
337.806

 99, 31.036,  
337.806

 39, 31.036,  
337.806

 29, 31.036,  
337.806

 19, 31.036,  
337.806

 9, 31.036, 337.806

 0, 31.036, 337.806

69, 31.036,  
337.806

69, 31.036,  
337.806

64, 41.732,  
338.681

74, 20.111,  
336.998

60, 51.866,  
339.639

80, 9.202, 336.230

56, 60.983,  
340.713

85, 1.541, 155.807

52, 68.554,  
341.946

91, 12.029,  
154.949

49, 74.062,  
343.403

96, 22.013,  
154.435

48, 77.163,  
345.171

96, 19.557,  
161.734


47, 78.001,  
347.318

97, 17.469,  
170.886

46, 78.060,

97, 15.901,  
182.117

347.646

 97, 15.020,  
195.176

# Harmonies

# Complementary

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



69, 31.036, 337.806



79, 30.625, 153.331

# Rectangle

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



69, 31.036, 337.806



69, 31.036, 27.806



69, 31.036, 157.806



69, 31.036, 207.806

# Sweetspot

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



69, 31.033, 337.807



94, 11.341, 336.272



66, 34.138, 304.853



49, 7.890, 336.384



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, 31.033, 337.807



79, 43.170, 338.307



68, 24.257, 8.908



41, 6.088, 336.296



37, 66.346, 347.243



5, 24.109, 342.934



# Inverse Universe

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



69, 31.033, 337.807



79, 43.170, 338.307



80, 21.285, 183.302



41, 6.088, 336.296



37, 66.346, 347.243

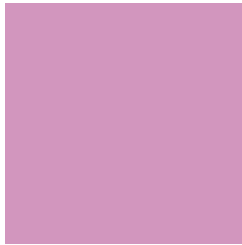


5, 24.109, 342.934



# Previews

## White Background



This preview shows how the CIELCh color 69, 31.036, 337.806 looks on a white background.

## Color Contrast Check

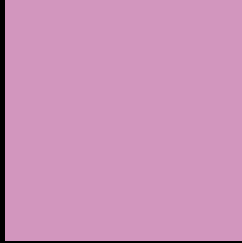
Large Text (above 18pt) WCAG AA × Fail

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, 31.036, 337.806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

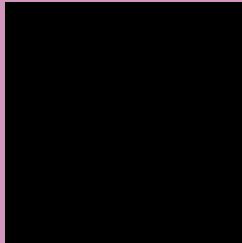
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 69, 31.036, 337.806

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 31.036, 337.806.



This preview shows how white text looks on a background with the CIELCh color 69, 31.036, 337.806.

# 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, 21.630, 3.999

# Trichromacy



**Original Color**  
69, 31.036, 337.806

**Protanomaly**  
69, 21.032, 310.850

**Deuteranomaly**  
69, 19.684, 324.367

**Tritanomaly**  
69, 24.134, 352.070

# Monochromacy



**Original Color**  
69, 31.036, 337.806

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
70, 11.303, 337.804

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 31.036, 337.806 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(210, 150, 190)` looks like.

```
.text, #text, p{  
    color:rgb(210, 150, 190)  
}
```

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(210, 150, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 150, 190) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 31.036, 337.806 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(210, 150, 190) }
```

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

```
.border{ border-color:rgb(210, 150, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 150, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 150, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 150, 190);  
box-shadow:4px 4px 4px 4px rgb(210, 150,  
190) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 31.036, 337.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 150, 190) }
```

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

```
.background{ background-color: rgb(210,  
150, 190) }
```

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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