

# Converting Colors

CIELCh(66, 37.784, 319.671)

Have a look what the booklet for  
CIELCh(66, 37.784, 319.671)  
contains.

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# Color

**CIELCh(66, 37.608, 319.214)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF90CD
RGB	191, 144, 205
RGB Percent	75%, 56%, 80%
CMY	0.2519, 0.4361, 0.1970
CMYK	0.07, 0.30, 0.00, 0.20
HSL	286°, 38%, 68%
HSV	286°, 30%, 80%
XYZ	42.3601, 35.3238, 62.1974
YIQ	165.0070, 8.4310, 28.9350

# Conversions

## Conversions Part 2

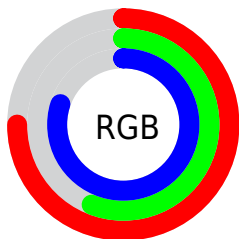
Format	Color
<a href="#">RYB</a>	<a href="#">191, 144, 205</a>
Decimal	<a href="#">12554445</a>
CIELab	<a href="#">66.00, 28.48, -24.57</a>
CIELCh	<a href="#">66, 37.608, 319.214</a>
Yxy	<a href="#">35.3238, 0.3028, 0.2525</a>
Android (android.graphics.Color)	<a href="#">4290744525</a> ( <a href="#">0xFFBF90CD</a> )
YUV	<a href="#">165.0070, 19.7165, 22.7959</a>
Hunter-Lab	<a href="#">59.4338, 23.2126, -20.4431</a>

# Details

The CIELCh color  $66, 37.608, 319.214$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $78, 37.011, 136.407$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $86, 34.553, 322.132$ , and  $46, 37.779, 319.173$  is the 20% darker color. If you saturate the color by 10%, you get  $61, 50.243, 319.631$ , and if you desaturate by 10%, it is  $71, 24.854, 318.774$ .

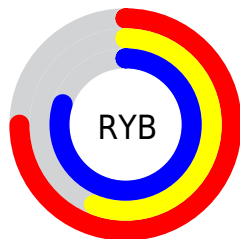
# Distribution



Red (75%)

Green (56%)

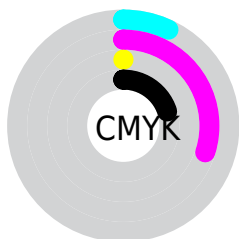
Blue (80%)



Red (75%)

Yellow (56%)

Blue (80%)

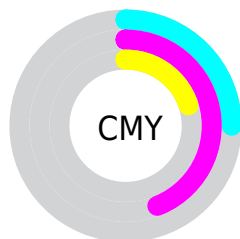


Cyan (7%)

Magenta (30%)

Yellow (0%)

Black (20%)



Cyan (25%)

Magenta (44%)


Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 37.608, 319.214 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 66, 37.608, 319.214 by changing the saturation by 10% instead.





 66, 37.608,  
319.214


 66, 37.608,  
319.214


 100, 37.608,  
319.214


 56, 37.608,  
319.214


 86, 37.608,  
319.214

 46, 37.608,  
319.214

 96, 37.608,  
319.214

 36, 37.608,  
319.214

 26, 37.608,  
319.214

 16, 37.608,  
319.214

 6, 37.608, 319.214

 0, 37.608, 319.214

66, 37.608,  
319.214

66, 37.608,  
319.214

61, 50.243,  
319.631

71, 24.854,  
318.774

56, 62.457,  
319.997

77, 12.190,  
318.325

52, 73.820,  
320.278

82, 0.260, 138.699

48, 83.780,  
320.427

88, 12.420,  
137.520

45, 91.732,  
320.393

94, 24.253,  
137.128

42, 97.172,  
320.127

96, 28.783,  
135.367


41, 100.238,  
319.639

97, 28.016,  
132.394

41, 100.299,

97, 27.328,  
129.225

319.628

 97, 26.728,  
125.867

# Harmonies

# Complementary

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



66, 37.608, 319.214



78, 37.011, 136.407

# Rectangle

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



66, 37.608, 319.214



66, 37.608, 9.214



66, 37.608, 139.214



66, 37.608, 189.214

# Sweetspot

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



66, 37.606, 319.214



94, 13.393, 318.295



66, 26.213, 282.623



49, 9.319, 318.362



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



66, 37.606, 319.214



77, 54.358, 319.496



67, 33.168, 335.032



40, 7.044, 318.307



33, 85.666, 319.745



4, 26.650, 318.097



# Inverse Universe

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



66, 25.166, 4.345



77, 36.762, 5.371



77, 32.899, 150.625



40, 4.567, 1.847



34, 65.805, 26.652



4, 18.300, 8.254



# Previews

## White Background



This preview shows how the CIELCh color 66, 37.608, 319.214 looks on a white background.

## Color Contrast Check

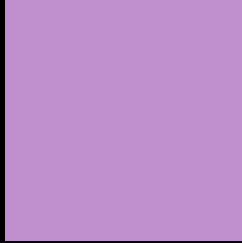
Large Text (above 18pt) WCAG AA × Fail

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 66, 37.608, 319.214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

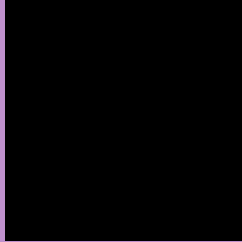
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 66, 37.608, 319.214

## Background



This preview shows how black text looks on a background with the CIELCh color 66, 37.608, 319.214.



This preview shows how white text looks on a background with the CIELCh color 66, 37.608, 319.214.

# 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**  
66, 14.360, 353.405

# Trichromacy



**Original Color**  
66, 37.608, 319.214

**Protanomaly**  
66, 32.948, 298.085

**Deuteranomaly**  
66, 28.337, 303.415

**Tritanomaly**  
66, 21.851, 332.175

# Monochromacy



**Original Color**  
66, 37.608, 319.214

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
67, 13.766, 318.503

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 37.608, 319.214 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(191, 144, 205)` looks like.

```
.text, #text, p{  
    color:rgb(191, 144, 205)  
}
```

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(191, 144, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 144, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 37.608, 319.214 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(191, 144, 205) }
```

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

```
.border{ border-color:rgb(191, 144, 205) }
```

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

Here you see how a box with a 4 pixel rgb(191, 144, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 144, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 144, 205);  
box-shadow:4px 4px 4px 4px rgb(191, 144,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 37.608, 319.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 144, 205) }
```

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

```
.background{ background-color: rgb(191,  
144, 205) }
```

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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