

# Converting Colors

CIELCh(74, 13.180, 315.604)

Have a look what the booklet for  
CIELCh(74, 13.180, 315.604)  
contains.

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# **Color**

**CIELCh(74, 13.166, 315.602)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0B1C7
RGB	192, 177, 199
RGB Percent	75%, 69%, 78%
CMY	0.2475, 0.3063, 0.2201
CMYK	0.04, 0.11, 0.00, 0.22
HSL	281°, 16%, 74%
HSV	281°, 11%, 78%
XYZ	47.6990, 46.7039, 60.4571
YIQ	183.9930, 1.8780, 10.0220

# Conversions

## Conversions Part 2

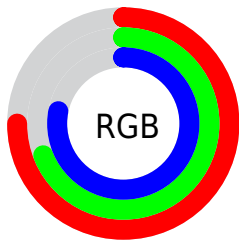
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	192, 177, 199
Decimal	12628423
CIE Lab	74.00, 9.41, -9.21
CIE LCh	74, 13.166, 315.602
Yxy	46.7039, 0.3080, 0.3016
Android (android.graphics.Color)	4290818503 (0xFFC0B1C7)
YUV	183.9930, 7.3985, 7.0221
Hunter-Lab	68.3403, 4.9909, -4.6126

# Details

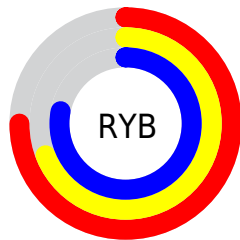
The CIELCh color `74, 13.166, 315.602` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `79, 13.038, 134.695`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 12.535, 315.500`, and `54, 13.318, 315.250` is the 20% darker color. If you saturate the color by 10%, you get `68, 25.314, 316.040`, and if you desaturate by 10%, it is `80, 1.254, 315.059`.

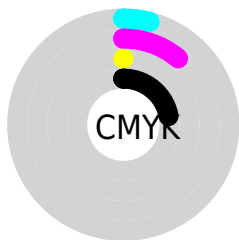
# Distribution



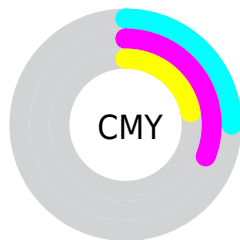
- Red (75%)
- Green (69%)
- Blue (78%)



- Red (75%)
- Yellow (69%)
- Blue (78%)



- Cyan (4%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)




- Cyan (25%)
- Magenta (31%)
- Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 13.166, 315.602 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 74, 13.166, 315.602 by changing the saturation by 10% instead.



 74, 13.166,  
315.602

 74, 13.166,  
315.602


 100, 13.166,  
315.602


 64, 13.166,  
315.602


 94, 13.166,  
315.602

 54, 13.166,  
315.602

 44, 13.166,  
315.602

 34, 13.166,  
315.602

 24, 13.166,  
315.602

 14, 13.166,  
315.602

 4, 13.166, 315.602

0, 13.166, 315.602

74, 13.166,  
315.602

74, 13.166,  
315.602

68, 25.314,  
316.040

80, 1.254, 315.059

63, 37.602,  
316.479

85, 10.360,  
134.825

58, 49.853,  
316.901

91, 21.651,  
134.455

53, 61.794,  
317.277

96, 31.758,  
133.890

48, 73.020,  
317.562

97, 30.777,  
130.179

44, 82.985,  
317.703

97, 29.932,  
126.178

41, 91.045,  
317.631

97, 29.243,  
121.908

38, 96.621,  
317.278

98, 28.731,  
117.402

37, 99.676,  
316.746

98, 28.410,  
112.713

# Harmonies

# Complementary

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



74, 13.166, 315.602



79, 13.038, 134.695

# Rectangle

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



74, 13.166, 315.602



74, 13.166, 5.602



74, 13.166, 135.602



74, 13.166, 185.602

# Sweetspot

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



74, 13.164, 315.601



98, 4.336, 315.231



75, 8.289, 272.608



52, 3.289, 315.274



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



74, 13.164, 315.601



91, 18.977, 315.694



74, 12.841, 330.035



39, 6.739, 315.527



30, 86.000, 316.886



3, 23.402, 313.165



# Inverse Universe

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



74, 9.116, 355.713



91, 13.165, 355.942



78, 12.807, 148.705



39, 4.660, 355.534



34, 62.112, 18.867

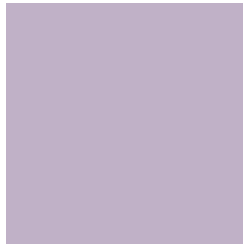


4, 16.597, 3.311



# Previews

## White Background



This preview shows how the CIELCh color 74, 13.166, 315.602 looks on a white background.

## Color Contrast Check

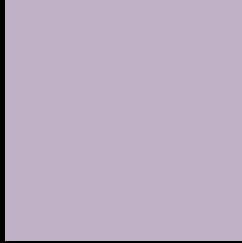
Large Text (above 18pt) WCAG AA × Fail

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 74, 13.166, 315.602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

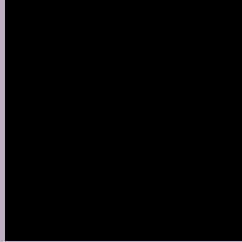
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 74, 13.166, 315.602

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 13.166, 315.602.



This preview shows how white text looks on a background with the CIELCh color 74, 13.166, 315.602.

# 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

74, 13.166, 315.602

### Protanopia

74, 10.844, 287.463

### Deuteranopia

74, 13.166, 315.602





**Tritanopia**  
74, 9.010, 322.848

# Trichromacy



**Original Color**  
74, 13.166, 315.602

**Protanomaly**  
74, 10.956, 298.705

**Deuteranomaly**  
74, 13.166, 315.602

**Tritanomaly**  
74, 10.414, 318.099

# Monochromacy



**Original Color**  
74, 13.166, 315.602

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
74, 4.890, 317.434

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 13.166, 315.602 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(192, 177, 199)` looks like.

```
.text, #text, p{  
    color:rgb(192, 177, 199)  
}
```

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(192, 177, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 177, 199) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 13.166, 315.602 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(192, 177, 199) }
```

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

```
.border{ border-color:rgb(192, 177, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 177, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 177, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 177, 199);  
box-shadow:4px 4px 4px 4px rgb(192, 177,  
199) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 13.166, 315.602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 177, 199) }
```

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

```
.background{ background-color: rgb(192,  
177, 199) }
```

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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