

# Converting Colors

CIELCh(77, 10.624, 311.871)

Have a look what the booklet for  
CIELCh(77, 10.624, 311.871)  
contains.

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# Color

**CIELCh(77, 11.010, 312.155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5BACD
RGB	197, 186, 205
RGB Percent	77%, 73%, 80%
CMY	0.2266, 0.2697, 0.1952
CMYK	0.04, 0.09, 0.00, 0.20
HSL	275°, 16%, 77%
HSV	275°, 9%, 80%
XYZ	51.7382, 51.5317, 65.1213
YIQ	191.4550, 0.4570, 8.2410

# Conversions

## Conversions Part 2

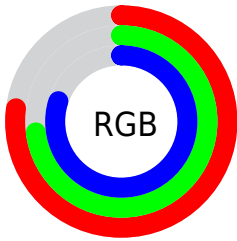
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 186, 205
Decimal	12958413
CIE Lab	77.00, 7.39, -8.16
CIE LCh	77, 11.010, 312.155
Yxy	51.5317, 0.3072, 0.3060
Android (android.graphics.Color)	4291148493 (0xFFC5BACD)
YUV	191.4550, 6.6777, 4.8630
Hunter-Lab	71.7856, 3.0258, -3.5358

# Details

The CIELCh color `77, 11.010, 312.155` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 10.885, 131.399`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 7.908, 322.578`, and `57, 11.015, 311.477` is the 20% darker color. If you saturate the color by 10%, you get `71, 23.180, 312.610`, and if you desaturate by 10%, it is `83, 0.860, 131.918`.

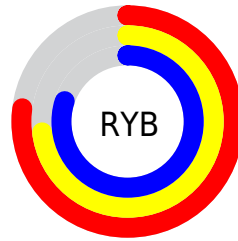
# Distribution



Red (77%)

Green (73%)

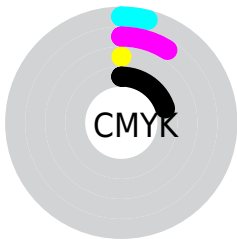
Blue (80%)



Red (77%)

Yellow (73%)

Blue (80%)

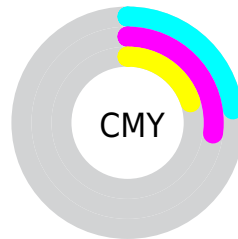


Cyan (4%)

Magenta (9%)

Yellow (0%)

Black (20%)



Cyan (23%)

Magenta (27%)


Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 11.010, 312.155 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 77, 11.010, 312.155 by changing the saturation by 10% instead.





 77, 11.010,  
312.155


 77, 11.010,  
312.155


 100, 11.010,  
312.155


 67, 11.010,  
312.155


 97, 11.010,  
312.155

 57, 11.010,  
312.155

 47, 11.010,  
312.155

 37, 11.010,  
312.155

 27, 11.010,  
312.155

 17, 11.010,  
312.155

 7, 11.010, 312.155

77, 11.010,  
312.155

77, 11.010,  
312.155

71, 23.180,  
312.610

83, 0.860, 131.918

65, 35.590,  
313.083

89, 12.392,  
131.376

60, 48.113,  
313.558

95, 23.579,  
131.025

54, 60.532,  
314.009

97, 26.663,  
126.962

49, 72.498,  
314.392

98, 25.762,  
120.372

44, 83.487,  
314.644

98, 25.238,  
113.295

■ 40, 92.803,  
314.681

■ 99, 25.120,  
108.272

■ 37, 99.693,  
314.410

■ 35, 103.945,  
313.806

# Harmonies

# Complementary

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



77, 11.010, 312.155



81, 10.885, 131.399

# Rectangle

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



77, 11.010, 312.155



77, 11.010, 2.155



77, 11.010, 132.155



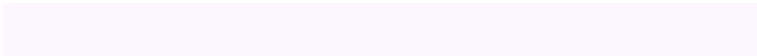
77, 11.010, 182.155

# Sweetspot

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



77, 11.008, 312.153



98, 4.226, 311.861



78, 6.410, 263.558



52, 3.205, 311.903



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



77, 11.008, 312.153



92, 15.636, 312.238



78, 11.813, 326.783



40, 6.713, 312.159



27, 88.807, 313.930



3, 24.980, 309.724



# Inverse Universe

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



77, 8.277, 348.906



93, 11.762, 349.094



81, 11.792, 145.753



40, 5.048, 348.920



35, 61.223, 9.167



4, 19.238, 358.312



# Previews

## White Background



This preview shows how the CIELCh color 77, 11.010, 312.155 looks on a white background.

## Color Contrast Check

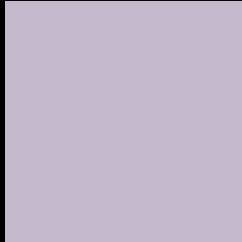
Large Text (above 18pt) WCAG AA × Fail

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 77, 11.010, 312.155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

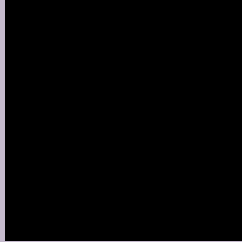
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 77, 11.010, 312.155

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 11.010, 312.155.



This preview shows how white text looks on a background with the CIELCh color 77, 11.010, 312.155.

# 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

77, 11.010, 312.155


### Protanopia

77, 9.673, 291.072

### Deuteranopia

77, 12.909, 319.531





**Tritanopia**  
77, 8.883, 314.955

# Trichromacy



**Original Color**  
77, 11.010, 312.155

**Protanomaly**  
77, 9.805, 299.439

**Deuteranomaly**  
77, 12.580, 316.596

**Tritanomaly**  
77, 9.374, 313.620

# Monochromacy



**Original Color**  
77, 11.010, 312.155

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
77, 4.053, 311.636

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 11.010, 312.155 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(197, 186, 205)` looks like.

```
.text, #text, p{  
    color:rgb(197, 186, 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(197, 186, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 186, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 11.010, 312.155 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(197, 186, 205) }
```

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

```
.border{ border-color:rgb(197, 186, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 186, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 186, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 186, 205);  
box-shadow:4px 4px 4px 4px rgb(197, 186,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 11.010, 312.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 186, 205) }
```

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

```
.background{ background-color: rgb(197,  
186, 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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