

Converting Colors

CIELCh(77, 11.845, 317.679)

Have a look what the booklet for
CIELCh(77, 11.845, 317.679)
contains.

CIELCh(77, 12.101, 317.693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 12.101, 317.693)

Conversions

Conversions Part 1

Format	Color
Hex	C8B9CD
RGB	200, 185, 205
RGB Percent	78%, 73%, 80%
CMY	0.2147, 0.2735, 0.1951
CMYK	0.02, 0.10, 0.00, 0.20
HSL	285°, 17%, 77%
HSV	285°, 10%, 80%
XYZ	52.3336, 51.5317, 65.1018
YIQ	191.7650, 2.5200, 9.4000

Conversions

Conversions Part 2

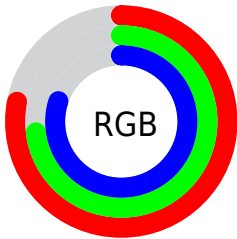
Format	Color
R _Y B	200, 185, 205
Decimal	13154765
CIE Lab	77.00, 8.95, -8.15
CIE LCh	77, 12.101, 317.693
Yxy	51.5317, 0.3097, 0.3050
Android (android.graphics.Color)	4291344845 (0xFFC8B9CD)
YUV	191.7650, 6.5249, 7.2221
Hunter-Lab	71.7856, 4.5063, -3.5197

Details

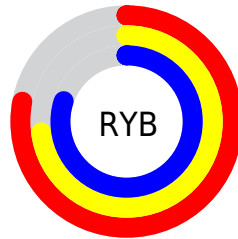
The CIELCh color $77, 12.101, 317.693$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $81, 12.015, 136.879$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 8.725, 324.710$, and $57, 12.152, 317.397$ is the 20% darker color. If you saturate the color by 10%, you get $71, 24.726, 318.137$, and if you desaturate by 10%, it is $83, 0.304, 137.939$.

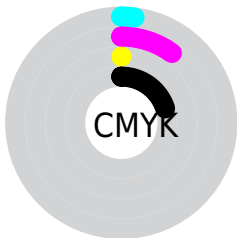
Distribution



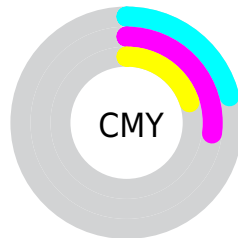
- Red (78%)
- Green (73%)
- Blue (80%)



- Red (78%)
- Yellow (73%)
- Blue (80%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)




- Cyan (21%)
- Magenta (27%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 12.101, 317.693 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, 12.101, 317.693 by changing the saturation by 10% instead.

 77, 12.101,
317.693

 77, 12.101,
317.693


 100, 12.101,
317.693


 67, 12.101,
317.693


 97, 12.101,
317.693

 57, 12.101,
317.693

 47, 12.101,
317.693

 37, 12.101,
317.693

 27, 12.101,
317.693

 17, 12.101,
317.693

 7, 12.101, 317.693

0, 12.101, 317.693

77, 12.101,
317.693

77, 12.101,
317.693

71, 24.726,
318.137

83, 0.304, 137.939

66, 37.459,
318.575

88, 12.412,
136.898

61, 50.102,
318.992

94, 24.191,
136.514

56, 62.356,
319.359

97, 28.263,
134.467

51, 73.798,
319.641

97, 27.457,
131.111

47, 83.878,
319.788

97, 26.750,
127.519

■ 44, 91.976,
319.747

■ 98, 26.154,
123.705

■ 42, 97.561,
319.464

■ 98, 25.682,
119.691

■ 40, 100.741,
318.944

■ 98, 25.346,
115.508

Harmonies

Complementary

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



77, 12.101, 317.693



81, 12.015, 136.879

Rectangle

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



77, 12.101, 317.693



77, 12.101, 7.693



77, 12.101, 137.693



77, 12.101, 187.693

Sweetspot

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



77, 12.099, 317.692



98, 4.417, 317.369



77, 8.063, 277.342



52, 3.350, 317.415



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, 12.099, 317.692



92, 17.808, 317.799



77, 11.065, 332.314



40, 7.005, 317.676



32, 85.950, 319.057



4, 26.432, 317.174

Inverse Universe

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



77, 7.959, 0.382



92, 11.753, 0.645



81, 11.023, 151.101



40, 4.606, 0.344



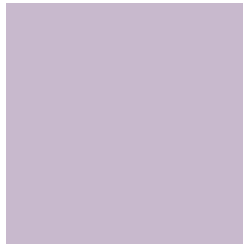
34, 65.014, 24.964



4, 18.366, 7.290

Previews

White Background



This preview shows how the CIELCh color 77, 12.101, 317.693 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 77, 12.101, 317.693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

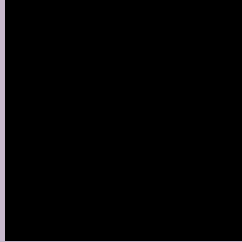
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 12.101, 317.693

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.101, 317.693.



This preview shows how white text looks on a background with the CIELCh color 77, 12.101, 317.693.

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, 12.101, 317.693

Protanopia

77, 9.674, 288.974

Deuteranopia

77, 12.444, 320.715



Tritanopia
77, 9.587, 322.992

Trichromacy



Original Color
77, 12.101, 317.693

Protanomaly
77, 9.805, 299.439

Deuteranomaly
77, 12.268, 319.223

Tritanomaly
77, 10.505, 319.864

Monochromacy



Original Color
77, 12.101, 317.693

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 4.202, 316.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.101, 317.693 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(200, 185, 205)` looks like.

```
.text, #text, p{  
    color:rgb(200, 185, 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(200, 185, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 185, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.101, 317.693 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(200, 185, 205) }
```

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

```
.border{ border-color:rgb(200, 185, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 185, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 185, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 185, 205);  
box-shadow:4px 4px 4px 4px rgb(200, 185,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.101, 317.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 185, 205) }
```

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

```
.background{ background-color: rgb(200,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor