

Converting Colors

CIELCh(77, 5.202, 311.151)

Have a look what the booklet for
CIELCh(77, 5.202, 311.151) contains.

CIELCh(77, 5.197, 311.150)	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, 5.197, 311.150)

Conversions

Conversions Part 1

Format	Color
Hex	C1BCC5
RGB	193, 188, 197
RGB Percent	76%, 74%, 77%
CMY	0.2419, 0.2615, 0.2262
CMYK	0.02, 0.05, 0.00, 0.23
HSL	273°, 7%, 76%
HSV	273°, 5%, 77%
XYZ	50.2436, 51.5317, 60.3185
YIQ	190.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

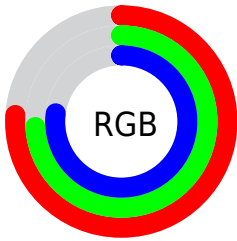
Format	Color
R _Y B	193, 188, 197
Decimal	12696773
CIE Lab	77.00, 3.42, -3.91
CIE LCh	77, 5.197, 311.150
Yxy	51.5317, 0.3100, 0.3179
Android (android.graphics.Color)	4290886853 (0xFFC1BCC5)
YUV	190.5210, 3.1941, 2.1741
Hunter-Lab	71.7856, -0.6905, 0.4310

Details

The CIELCh color $77, 5.197, 311.150$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79, 5.151, 130.817$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 5.435, 309.216$, and $57, 4.987, 313.510$ is the 20% darker color. If you saturate the color by 10%, you get $71, 16.795, 311.605$, and if you desaturate by 10%, it is $83, 6.086, 130.787$.

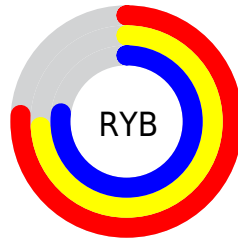
Distribution



Red (76%)

Green (74%)

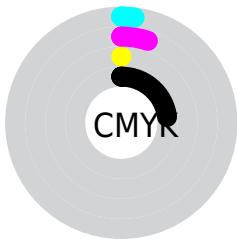
Blue (77%)



Red (76%)

Yellow (74%)

Blue (77%)

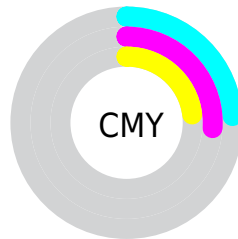


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (23%)



Cyan (24%)

Magenta (26%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 5.197, 311.150 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, 5.197, 311.150 by changing the saturation by 10% instead.

■ 77, 5.197, 311.150

■ 77, 5.197, 311.150

■ 100, 5.197,
311.150

■ 67, 5.197, 311.150

■ 97, 5.197, 311.150

■ 57, 5.197, 311.150

■ 47, 5.197, 311.150

■ 37, 5.197, 311.150

■ 27, 5.197, 311.150

■ 17, 5.197, 311.150

■ 7, 5.197, 311.150

■ 0, 5.197, 311.150

■ 77, 5.197, 311.150

■ 77, 5.197, 311.150

71, 16.795,
311.605

83, 6.086, 130.787

66, 28.673,
312.080

89, 17.032,
130.406

60, 40.746,
312.571

94, 27.645,
130.075

54, 52.861,
313.056

97, 30.844,
126.613

49, 64.759,
313.502

97, 29.902,
120.827

44, 76.026,
313.853

98, 29.297,
114.630

40, 86.068,
314.036

99, 29.068,
108.163

36, 94.142,
313.954

99, 29.067,
107.969

34, 99.557,

313.512

Harmonies

Complementary

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



77, 5.197, 311.150



79, 5.151, 130.817

Rectangle

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



77, 5.197, 311.150



77, 5.197, 1.150



77, 5.197, 131.150



77, 5.197, 181.150

Sweetspot

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



77, 5.195, 311.145



99, 1.404, 310.906



78, 3.015, 261.320



53, 0.799, 310.898



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, 5.195, 311.145



96, 7.017, 311.169



77, 5.686, 326.015



40, 3.905, 311.195



26, 88.224, 313.336



2, 22.618, 307.996

Inverse Universe

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



77, 3.983, 347.032



97, 5.380, 347.088



79, 5.668, 145.595



40, 2.995, 347.146



35, 60.457, 6.836



4, 17.369, 356.308

Previews

White Background



This preview shows how the CIELCh color 77, 5.197, 311.150 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, 5.197, 311.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

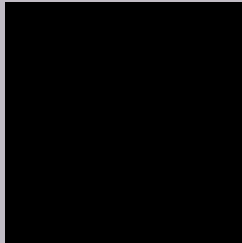
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

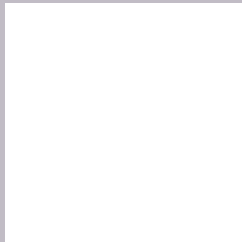
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 5.197, 311.150

Background



This preview shows how black text looks on a background with the CIELCh color 77, 5.197, 311.150.

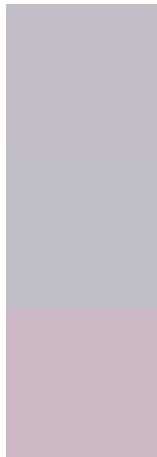


This preview shows how white text looks on a background with the CIELCh color 77, 5.197, 311.150.

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, 5.197, 311.150

Protanopia

77, 4.905, 299.142

Deuteranopia

77, 10.824, 336.355



Tritanopia
77, 7.862, 306.854

Trichromacy



Original Color
77, 5.197, 311.150

Protanomaly
77, 4.976, 303.282

Deuteranomaly
77, 8.517, 330.952

Tritanomaly
77, 6.838, 309.314

Monochromacy



Original Color
77, 5.197, 311.150

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 1.786, 314.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 5.197, 311.150 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(193, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(193, 188, 197)  
}
```

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(193, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 188, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 5.197, 311.150 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(193, 188, 197) }
```

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

```
.border{ border-color:rgb(193, 188, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(193, 188,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 5.197, 311.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 188, 197) }
```

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

```
.background{ background-color: rgb(193,  
188, 197) }
```

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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