

Converting Colors

CIELCh(77, 32.376, 314.040)

Have a look what the booklet for
CIELCh(77, 32.376, 314.040)
contains.

CIELCh(77, 31.907, 314.110)	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, 31.907, 314.110)

Conversions

Conversions Part 1

Format	Color
Hex	D4B2E9
RGB	212, 178, 233
RGB Percent	83%, 70%, 91%
CMY	0.1699, 0.3032, 0.0875
CMYK	0.09, 0.24, 0.00, 0.09
HSL	277°, 55%, 80%
HSV	277°, 24%, 91%
XYZ	57.5794, 51.5317, 83.7591
YIQ	194.4360, 2.6090, 24.3130

Conversions

Conversions Part 2

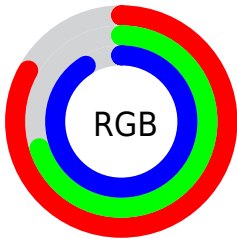
Format	Color
R _Y B	212, 178, 233
Decimal	13939433
CIE Lab	77.00, 22.21, -22.91
CIE LCh	77, 31.907, 314.110
Yxy	51.5317, 0.2985, 0.2672
Android (android.graphics.Color)	4292129513 (0xFFD4B2E9)
YUV	194.4360, 19.0121, 15.4036
Hunter-Lab	71.7856, 17.5503, -18.9293

Details

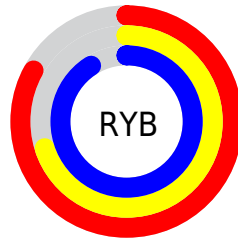
The CIELCh color **77, 31.907, 314.110** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **89, 31.156, 132.025**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 13.109, 324.873**, and **57, 31.892, 314.262** is the 20% darker color. If you saturate the color by 10%, you get **71, 45.779, 314.570**, and if you desaturate by 10%, it is **83, 18.205, 313.655**.

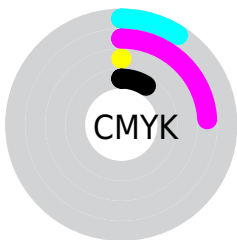
Distribution



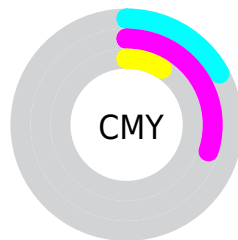
- Red (83%)
- Green (70%)
- Blue (91%)



- Red (83%)
- Yellow (70%)
- Blue (91%)



- Cyan (9%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)





- Cyan (17%)
- Magenta (30%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.907, 314.110 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, 31.907, 314.110 by changing the saturation by 10% instead.


 77, 31.907,
314.110


 77, 31.907,
314.110


 100, 31.907,
314.110


 67, 31.907,
314.110


 97, 31.907,
314.110

 57, 31.907,
314.110

 47, 31.907,
314.110

 37, 31.907,
314.110

 27, 31.907,
314.110

 17, 31.907,
314.110

 7, 31.907, 314.110

0, 31.907, 314.110

77, 31.907,
314.110

77, 31.907,
314.110

71, 45.779,
314.570

83, 18.205,
313.655

65, 59.627,
315.016

90, 4.794, 313.199

59, 73.123,
315.410

96, 8.268, 132.858

54, 85.768,
315.701

99, 11.677,
123.152

49, 96.878,
315.821

99, 11.300,
109.323

45, 105.646,
315.683

■ 42, 111.382,
315.207

■ 41, 113.672,
314.755

Harmonies

Complementary

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



77, 31.907, 314.110



89, 31.156, 132.025

Rectangle

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



77, 31.907, 314.110



77, 31.907, 4.110



77, 31.907, 134.110



77, 31.907, 184.110

Sweetspot

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



77, 31.905, 314.110



95, 9.993, 313.360



80, 19.164, 270.485



50, 6.497, 313.387



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, 31.905, 314.110



81, 40.888, 314.318



79, 32.408, 329.176



46, 7.601, 313.469



31, 94.086, 314.929



5, 38.224, 315.603

Inverse Universe

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



78, 23.333, 352.919



82, 29.926, 353.474



87, 32.349, 146.145



46, 5.531, 351.365



38, 65.811, 13.340



7, 27.901, 4.145

Previews

White Background



This preview shows how the CIELCh color 77, 31.907, 314.110 looks on a white background.

Color Contrast Check

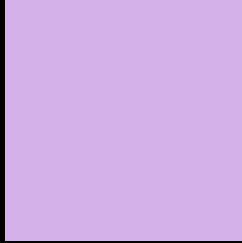
Large Text (above 18pt) WCAG AA × Fail

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, 31.907, 314.110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

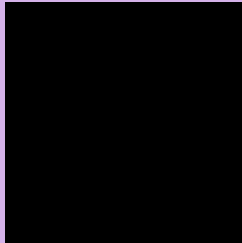
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 31.907, 314.110

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.907, 314.110.



This preview shows how white text looks on a background with the CIELCh color 77, 31.907, 314.110.

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, 31.907, 314.110

Protanopia
77, 28.058, 285.451

Deuteranopia
77, 24.230, 293.956



Tritanopia
77, 11.092, 337.724

Trichromacy



Original Color
77, 31.907, 314.110

Protanomaly
77, 28.642, 296.720

Deuteranomaly
77, 26.883, 302.664

Tritanomaly
77, 18.242, 322.268

Monochromacy



Original Color
77, 31.907, 314.110

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 11.619, 312.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.907, 314.110 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(212, 178, 233)` looks like.

```
.text, #text, p{  
    color:rgb(212, 178, 233)  
}
```

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(212, 178, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 178, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.907, 314.110 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(212, 178, 233) }
```

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

```
.border{ border-color:rgb(212, 178, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 178, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 178, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 178, 233);  
box-shadow:4px 4px 4px 4px rgb(212, 178,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.907, 314.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 178, 233) }
```

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

```
.background{ background-color: rgb(212,  
178, 233) }
```

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