

Converting Colors

CIELCh(77, 12.590, 291.625)

Have a look what the booklet for
CIELCh(77, 12.590, 291.625)
contains.

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Color

CIELCh(77, 12.905, 291.367)

Conversions

Conversions Part 1

Format	Color
Hex	BCBCD4
RGB	188, 188, 212
RGB Percent	74%, 74%, 83%
CMY	0.2620, 0.2619, 0.1678
CMYK	0.11, 0.11, 0.00, 0.17
HSL	240°, 22%, 79%
HSV	240°, 11%, 83%
XYZ	50.7232, 51.5317, 69.6949
YIQ	190.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

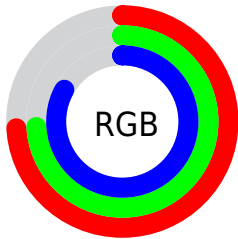
Format	Color
RYB	188, 188, 212
Decimal	12369108
CIELab	77.00, 4.70, -12.02
CIELCh	77, 12.905, 291.367
Yxy	51.5317, 0.2950, 0.2997
Android (android.graphics.Color)	4290559188 (0xFFBCBCD4)
YUV	190.7360, 10.4832, -2.3995
Hunter-Lab	71.7856, 0.5019, -7.3133

Details

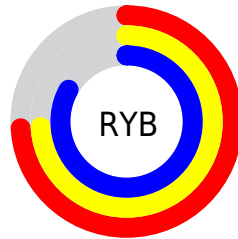
The CIELCh color $77, 12.905, 291.367$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 12.572, 109.083$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 5.640, 290.621$, and $57, 12.568, 291.646$ is the 20% darker color. If you saturate the color by 10%, you get $70, 24.810, 292.608$, and if you desaturate by 10%, it is $84, 1.475, 290.347$.

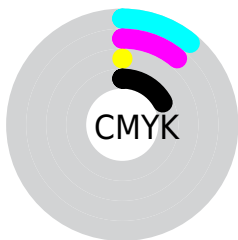
Distribution



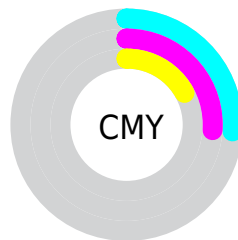
- Red (74%)
- Green (74%)
- Blue (83%)



- Red (74%)
- Yellow (74%)
- Blue (83%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 12.905, 291.367 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, 12.905, 291.367 by changing the saturation by 10% instead.

■ 77, 12.905,
291.367

■ 77, 12.905,
291.367

■ 100, 12.905,
291.367

■ 67, 12.905,
291.367

■ 97, 12.905,
291.367

■ 57, 12.905,
291.367

■ 47, 12.905,
291.367

■ 37, 12.905,
291.367

■ 27, 12.905,
291.367

■ 17, 12.905,
291.367

■ 7, 12.905, 291.367

0, 12.905, 291.367

77, 12.905,
291.367

77, 12.905,
291.367

70, 24.810,
292.608

84, 1.475, 290.347

63, 37.232,
294.075

91, 9.511, 109.398

56, 50.192,
295.789

98, 20.089,
108.640

49, 63.658,
297.749

99, 21.622,
108.540

42, 77.447,
299.906

36, 91.019,
302.120

■ 31, 103.182,
304.126

■ 28, 112.064,
305.574

■ 26, 116.493,
306.287

Harmonies

Complementary

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



77, 12.905, 291.367



84, 12.572, 109.083

Rectangle

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



77, 12.905, 291.367



77, 12.905, 341.367



77, 12.905, 111.367



77, 12.905, 161.367

Sweetspot

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



77, 12.903, 291.363



98, 3.915, 290.490



83, 8.453, 197.422



52, 2.971, 290.568



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, 12.903, 291.363



89, 18.643, 291.695



78, 13.581, 308.995



41, 6.500, 291.151



20, 99.120, 306.286



2, 27.575, 294.041

Inverse Universe

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



78, 9.066, 20.074



90, 13.171, 20.306



84, 13.360, 127.984



42, 4.550, 19.924



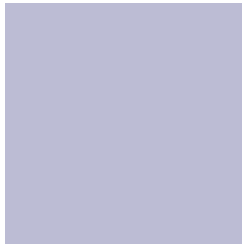
35, 77.346, 39.896



5, 22.000, 19.764

Previews

White Background



This preview shows how the CIELCh color 77, 12.905, 291.367 looks on a white background.

Color Contrast Check

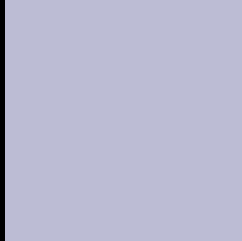
Large Text (above 18pt) WCAG AA × Fail

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, 12.905, 291.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

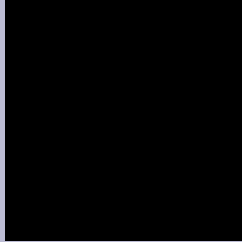
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 12.905, 291.367

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.905, 291.367.

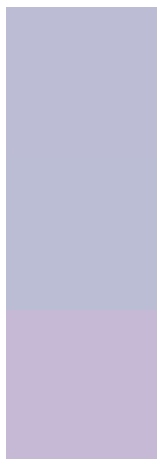


This preview shows how white text looks on a background with the CIELCh color 77, 12.905, 291.367.

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

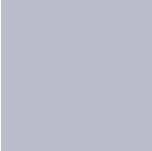
77, 12.905, 291.367

Protanopia

77, 12.364, 288.071

Deuteranopia

77, 15.817, 308.427



Tritanopia
77, 8.082, 285.871

Trichromacy



Original Color
77, 12.905, 291.367

Protanomaly
77, 12.364, 288.071

Deuteranomaly
77, 14.845, 302.434

Tritanomaly
77, 9.687, 286.884

Monochromacy



Original Color
77, 12.905, 291.367

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 4.836, 290.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.905, 291.367 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(188, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 212)  
}
```

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(188, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.905, 291.367 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(188, 188, 212) }
```

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

```
.border{ border-color:rgb(188, 188, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.905, 291.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 212) }
```

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

```
.background{ background-color: rgb(188,  
188, 212) }
```

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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