

Converting Colors

CIELCh(77, 13.964, 290.030)

Have a look what the booklet for
CIELCh(77, 13.964, 290.030)
contains.

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Color

CIELCh(77, 13.978, 290.037)

Conversions

Conversions Part 1

Format	Color
Hex	BBBCD6
RGB	187, 188, 214
RGB Percent	73%, 74%, 84%
CMY	0.2657, 0.2618, 0.1598
CMYK	0.13, 0.12, 0.00, 0.16
HSL	238°, 25%, 79%
HSV	238°, 13%, 84%
XYZ	50.7560, 51.5317, 71.0549
YIQ	190.6650, -8.9420, 7.8740

Conversions

Conversions Part 2

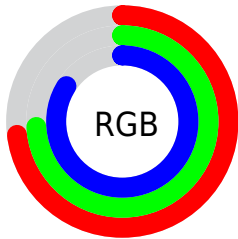
Format	Color
R_{YB}	187, 188, 214
Decimal	12303574
CIE _{Lab}	77.00, 4.79, -13.13
CIE _{LCh}	77, 13.978, 290.037
Yxy	51.5317, 0.2928, 0.2973
Android (android.graphics.Color)	4290493654 (0xFFBBBCD6)
YUV	190.6650, 11.5042, -3.2142
Hunter-Lab	71.7856, 0.5834, -8.4365

Details

The CIELCh color **77, 13.978, 290.037** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85, 13.608, 107.405**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 5.645, 287.119**, and **57, 13.707, 290.255** is the 20% darker color. If you saturate the color by 10%, you get **70, 25.562, 291.335**, and if you desaturate by 10%, it is **84, 2.841, 288.949**.

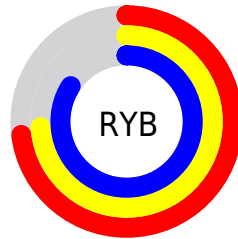
Distribution



Red (73%)

Green (74%)

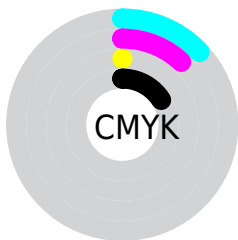
Blue (84%)



Red (73%)

Yellow (74%)

Blue (84%)

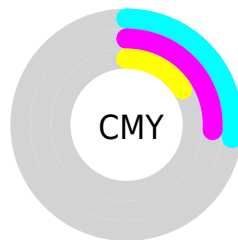


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (16%)



Cyan (27%)

Magenta (26%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 13.978, 290.037 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, 13.978, 290.037 by changing the saturation by 10% instead.

■ 77, 13.978,
290.037

■ 77, 13.978,
290.037

■ 100, 13.978,
290.037

■ 67, 13.978,
290.037

■ 97, 13.978,
290.037

■ 57, 13.978,
290.037

■ 47, 13.978,
290.037

■ 37, 13.978,
290.037

■ 27, 13.978,
290.037

■ 17, 13.978,
290.037

■ 7, 13.978, 290.037

0, 13.978, 290.037

77, 13.978,
290.037

77, 13.978,
290.037

70, 25.562,
291.335

84, 2.841, 288.949

63, 37.635,
292.867

91, 7.879, 107.968

56, 50.220,
294.655

98, 18.214,
107.170

49, 63.300,
296.702

99, 20.595,
108.618

43, 76.729,
298.965

37, 90.051,
301.313

■ 32, 102.235,
303.497

■ 28, 111.583,
305.183

■ 27, 115.763,
305.916

Harmonies

Complementary

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



77, 13.978, 290.037



85, 13.608, 107.405

Rectangle

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



77, 13.978, 290.037



77, 13.978, 340.037



77, 13.978, 110.037



77, 13.978, 160.037

Sweetspot

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



77, 13.976, 290.033



97, 5.032, 289.087



84, 9.513, 194.469



51, 3.580, 289.164



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, 13.976, 290.033



88, 19.250, 290.344



78, 15.186, 307.902



41, 6.254, 289.663



20, 97.372, 305.797



2, 26.863, 293.220

Inverse Universe

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



78, 10.228, 17.209



90, 14.151, 17.442



84, 14.896, 126.722



42, 4.550, 16.926



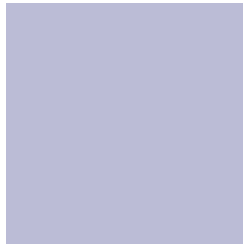
35, 75.786, 38.373



5, 21.974, 18.113

Previews

White Background



This preview shows how the CIELCh color 77, 13.978, 290.037 looks on a white background.

Color Contrast Check

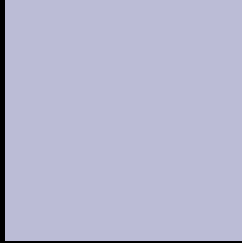
Large Text (above 18pt) WCAG AA × Fail

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, 13.978, 290.037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

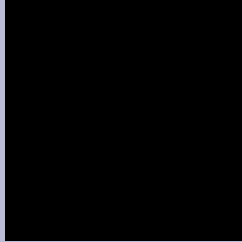
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

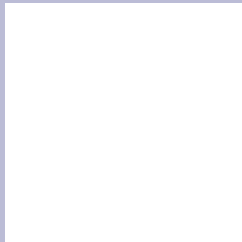
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 13.978, 290.037

Background



This preview shows how black text looks on a background with the CIELCh color 77, 13.978, 290.037.



This preview shows how white text looks on a background with the CIELCh color 77, 13.978, 290.037.

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, 13.978, 290.037

Protanopia

77, 13.452, 286.964

Deuteranopia

77, 16.750, 306.221



Tritanopia
77, 8.155, 280.895

Trichromacy



Original Color
77, 13.978, 290.037

Protanomaly
77, 13.452, 286.964

Deuteranomaly
77, 15.839, 300.496

Tritanomaly
77, 10.246, 285.197

Monochromacy



Original Color
77, 13.978, 290.037

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, 13.978, 290.037 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(187, 188, 214)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 214)  
}
```

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(187, 188, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 13.978, 290.037 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(187, 188, 214) }
```

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

```
.border{ border-color:rgb(187, 188, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 214);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 13.978, 290.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 214) }
```

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

```
.background{ background-color: rgb(187,  
188, 214) }
```

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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