

Converting Colors

CIELCh(77, 3.419, 135.456)

Have a look what the booklet for
CIELCh(77, 3.419, 135.456) contains.

CIELCh(77, 3.071, 138.763)	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, 3.071, 138.763)

Conversions

Conversions Part 1

Format	Color
Hex	BBBFBA
RGB	187, 191, 186
RGB Percent	73%, 75%, 73%
CMY	0.2656, 0.2499, 0.2695
CMYK	0.02, 0.00, 0.03, 0.25
HSL	108°, 4%, 74%
HSV	108°, 3%, 75%
XYZ	48.1377, 51.5317, 54.0109
YIQ	189.2340, -0.7790, -2.4030

Conversions

Conversions Part 2

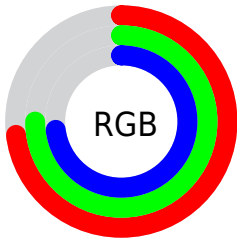
Format	Color
RYB	186, 191, 190
Decimal	12304314
CIELab	77.00, -2.31, 2.02
CIELCh	77, 3.071, 138.763
Yxy	51.5317, 0.3132, 0.3353
Android (android.graphics.Color)	4290494394 (0xFFBBBFBA)
YUV	189.2340, -1.5944, -1.9592
Hunter-Lab	71.7856, -5.9269, 5.6406

Details

The CIELCh color **77, 3.071, 138.763** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76, 3.094, 318.865**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 2.923, 138.806**, and **57, 3.265, 138.705** is the 20% darker color. If you saturate the color by 10%, you get **75, 14.933, 138.238**, and if you desaturate by 10%, it is **79, 8.639, 319.093**.

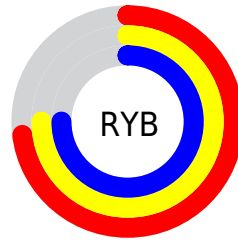
Distribution



Red (73%)

Green (75%)

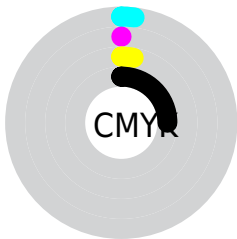
Blue (73%)



Red (73%)

Yellow (75%)

Blue (75%)

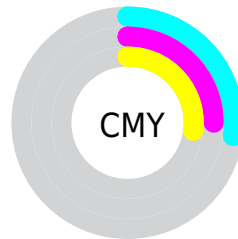


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 3.071, 138.763 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, 3.071, 138.763 by changing the saturation by 10% instead.

■ 77, 3.071, 138.763

■ 77, 3.071, 138.763

■ 100, 3.071,
138.763

■ 67, 3.071, 138.763

■ 97, 3.071, 138.763

■ 57, 3.071, 138.763

■ 47, 3.071, 138.763

■ 37, 3.071, 138.763

■ 27, 3.071, 138.763

■ 17, 3.071, 138.763

■ 7, 3.071, 138.763

■ 0, 3.071, 138.763

■ 77, 3.071, 138.763

■ 77, 3.071, 138.763

75, 14.933,
138.238

79, 8.639, 319.093

74, 26.845,
137.689

81, 20.136,
319.463

73, 38.676,
137.081

83, 31.375,
319.772

72, 50.239,
136.423

84, 38.866,
322.866

71, 61.286,
135.745

85, 39.964,
325.811

70, 71.480,
135.105

69, 80.388,
134.595

68, 87.505,
134.338

68, 92.393,

134.451

Harmonies

Complementary

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



77, 3.071, 138.763



76, 3.094, 318.865

Rectangle

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



77, 3.071, 138.763



77, 3.071, 188.763



77, 3.071, 318.763



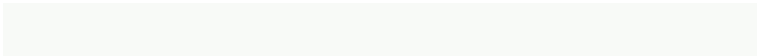
77, 3.071, 8.763

Sweetspot

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



77, 3.073, 138.768



98, 1.451, 138.942



77, 2.164, 100.043



52, 0.825, 138.954



99, 0.012, 296.813



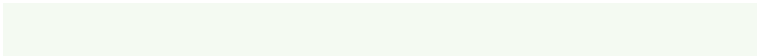
52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 3.073, 138.768



98, 4.381, 138.739



77, 2.645, 154.235



41, 2.696, 138.697



58, 83.137, 134.553



10, 23.020, 140.177

Inverse Universe

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



76, 3.094, 318.865



96, 4.408, 318.893



76, 2.662, 334.339



40, 2.711, 318.934



32, 83.337, 320.784



3, 21.990, 317.477

Previews

White Background



This preview shows how the CIELCh color 77, 3.071, 138.763 looks on a white background.

Color Contrast Check

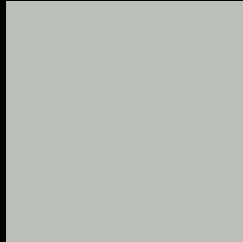
Large Text (above 18pt) WCAG AA × Fail

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, 3.071, 138.763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

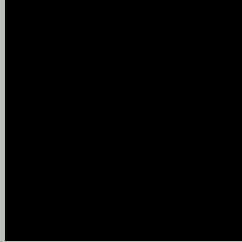
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

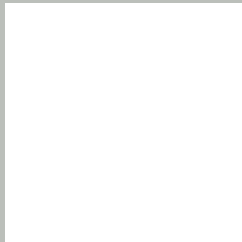
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 3.071, 138.763

Background



This preview shows how black text looks on a background with the CIELCh color 77, 3.071, 138.763.



This preview shows how white text looks on a background with the CIELCh color 77, 3.071, 138.763.

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, 3.071, 138.763

Protanopia

77, 2.826, 68.514

Deuteranopia

77, 9.663, 7.401



Tritanopia
77, 8.075, 293.464

Trichromacy



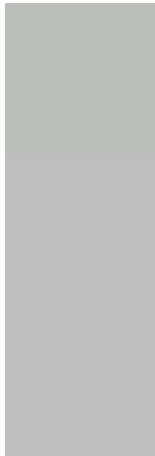
Original Color
77, 3.071, 138.763

Protanomaly
77, 2.765, 94.242

Deuteranomaly
77, 5.251, 19.730

Tritanomaly
77, 4.310, 285.771

Monochromacy



Original Color
77, 3.071, 138.763

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 0.647, 144.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 3.071, 138.763 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, 191, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 186)  
}
```

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, 191, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 3.071, 138.763 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, 191, 186) }
```

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

```
.border{ border-color:rgb(187, 191, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 191, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 191, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 191, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 191,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 3.071, 138.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 186) }
```

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

```
.background{ background-color: rgb(187,  
191, 186) }
```

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