

Converting Colors

CIELCh(77, 1.422, 108.801)

Have a look what the booklet for
CIELCh(77, 1.422, 108.801) contains.

CIELCh(77, 1.063, 110.021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 1.063, 110.021)

Conversions

Conversions Part 1

Format	Color
Hex	BEBEBC
RGB	190, 190, 188
RGB Percent	75%, 75%, 74%
CMY	0.2541, 0.2541, 0.2619
CMYK	0.00, 0.00, 0.01, 0.25
HSL	60°, 2%, 74%
HSV	60°, 1%, 75%
XYZ	48.8461, 51.5317, 55.0673
YIQ	189.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

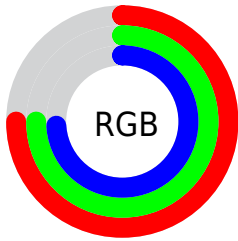
Format	Color
RYB	188, 190, 188
Decimal	12500668
CIELab	77.00, -0.36, 1.00
CIELCh	77, 1.063, 110.021
Yxy	51.5317, 0.3142, 0.3315
Android (android.graphics.Color)	4290690748 (0xFFBEBEBC)
YUV	189.7720, -0.8736, 0.2000
Hunter-Lab	71.7856, -4.1656, 4.7681

Details

The CIELCh color **77, 1.063, 110.021** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76, 1.086, 290.401**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 1.010, 110.026**, and **57, 1.131, 110.001** is the 20% darker color. If you saturate the color by 10%, you get **77, 11.242, 109.189**, and if you desaturate by 10%, it is **78, 9.135, 291.084**.

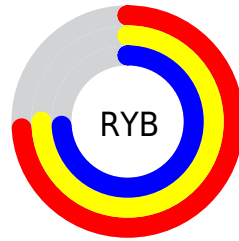
Distribution



Red (75%)

Green (75%)

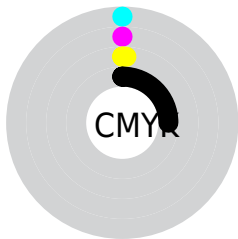
Blue (74%)



Red (74%)

Yellow (75%)

Blue (74%)

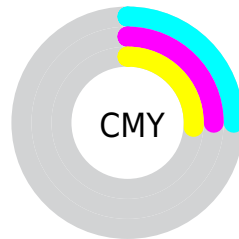


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 1.063, 110.021 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, 1.063, 110.021 by changing the saturation by 10% instead.

■ 77, 1.063, 110.021

■ 77, 1.063, 110.021

100, 1.063,
110.021

■ 67, 1.063, 110.021

■ 97, 1.063, 110.021

■ 57, 1.063, 110.021

■ 47, 1.063, 110.021

■ 37, 1.063, 110.021

■ 27, 1.063, 110.021

■ 17, 1.063, 110.021

■ 7, 1.063, 110.021

■ 0, 1.063, 110.021

■ 77, 1.063, 110.021

■ 77, 1.063, 110.021

77, 11.242,
109.189

78, 9.135, 291.084

76, 21.347,
108.230

78, 19.323,
291.984

76, 31.303,
107.276

79, 29.478,
292.851

75, 40.994,
106.346

79, 34.651,
293.287

75, 50.236,
105.465

79, 34.651,
293.304

75, 58.757,
104.665

79, 34.651,
293.321

75, 66.169,
103.981

79, 34.651,
293.338

75, 72.000,
103.456

79, 34.652,
293.355

75, 75.828,

79, 34.652,
293.372

Harmonies

Complementary

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



77, 1.063, 110.021



76, 1.086, 290.401

Rectangle

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



77, 1.063, 110.021



77, 1.063, 160.021



77, 1.063, 290.021



77, 1.063, 340.021

Sweetspot

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



77, 1.065, 110.089



97, 0.011, 296.813



76, 0.743, 18.755



52, 0.007, 296.813



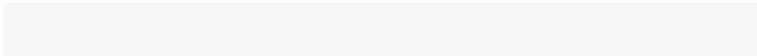
99, 0.012, 296.813

Same Dimension

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



77, 1.065, 110.089



97, 1.251, 110.090



77, 1.132, 129.124



40, 0.568, 110.092



63, 67.798, 102.956



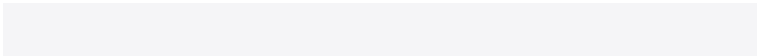
11, 16.898, 107.751

Inverse Universe

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



76, 1.086, 290.401



97, 1.276, 290.400



76, 1.151, 309.015



40, 0.581, 290.397



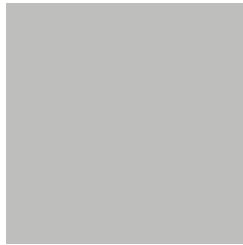
18, 93.606, 306.293



1, 17.439, 290.685

Previews

White Background



This preview shows how the CIELCh color 77, 1.063, 110.021 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, 1.063, 110.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

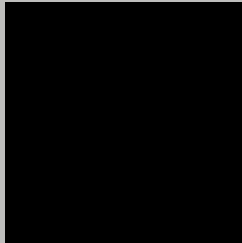
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

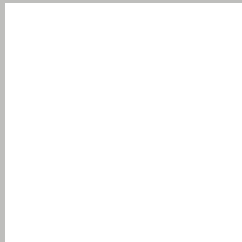
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 1.063, 110.021

Background



This preview shows how black text looks on a background with the CIELCh color 77, 1.063, 110.021.



This preview shows how white text looks on a background with the CIELCh color 77, 1.063, 110.021.

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, 1.063, 110.021

Protanopia

77, 1.928, 35.390

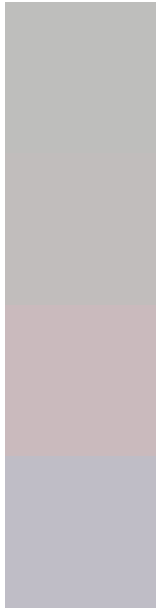
Deuteranopia

77, 9.414, 3.664



Tritanopia
77, 8.215, 300.996

Trichromacy



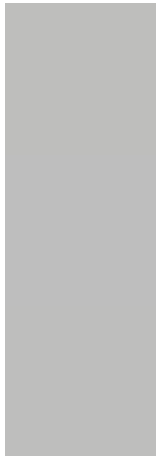
Original Color
77, 1.063, 110.021

Protanomaly
77, 1.572, 39.088

Deuteranomaly
77, 6.205, 4.851

Tritanomaly
77, 4.905, 299.142

Monochromacy



Original Color
77, 1.063, 110.021

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 0.527, 110.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 1.063, 110.021 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(190, 190, 188)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 188)  
}
```

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(190, 190, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 1.063, 110.021 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(190, 190, 188) }
```

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

```
.border{ border-color:rgb(190, 190, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 190, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 190, 188); box-shadow:4px 4px 4px 4px rgb(190, 190, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 1.063, 110.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 188) }
```

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

```
.background{ background-color: rgb(190,  
190, 188) }
```

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