

# Converting Colors

CIELCh(76, 5.020, 77.862)

Have a look what the booklet for  
CIELCh(76, 5.020, 77.862) contains.

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# **Color**

**CIELCh(76, 5.030, 77.916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1BAB2
RGB	193, 186, 178
RGB Percent	76%, 73%, 70%
CMY	0.2417, 0.2691, 0.3005
CMYK	0.00, 0.04, 0.08, 0.24
HSL	32°, 11%, 73%
HSV	32°, 8%, 76%
XYZ	47.7951, 49.8872, 49.4208
YIQ	187.1810, 6.7400, -1.0040

# Conversions

## Conversions Part 2

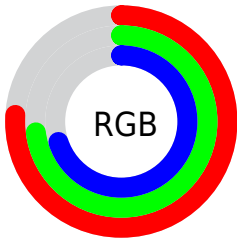
Format	Color
<a href="#">RYB</a>	<a href="#">191, 193, 178</a>
Decimal	<a href="#">12696242</a>
CIELab	<a href="#">76.00, 1.05, 4.92</a>
CIELCh	<a href="#">76, 5.030, 77.916</a>
Yxy	<a href="#">49.8872, 0.3249, 0.3391</a>
Android (android.graphics.Color)	<a href="#">4290886322</a> ( <a href="#">0xFFC1BAB2</a> )
YUV	<a href="#">187.1810, -4.5262, 5.1033</a>
Hunter-Lab	<a href="#">70.6309, -2.8153, 7.9561</a>

# Details

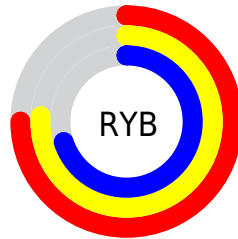
The CIELCh color  $76, 5.030, 77.916$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $75, 4.967, 260.038$ , and the grayscale version is  $76, 0.009, 296.813$ .

A 20% lighter version of the original color is  $96, 4.777, 78.104$ , and  $56, 5.162, 81.460$  is the 20% darker color. If you saturate the color by 10%, you get  $73, 11.756, 76.714$ , and if you desaturate by 10%, it is  $79, 1.434, 259.471$ .

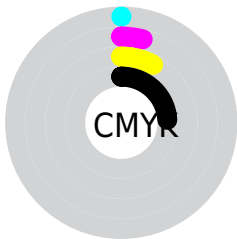
# Distribution



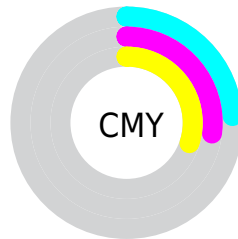
- Red (76%)
- Green (73%)
- Blue (70%)



- Red (75%)
- Yellow (76%)
- Blue (70%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (24%)



- Cyan (24%)
- Magenta (27%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 5.030, 77.916 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 76, 5.030, 77.916 by changing the saturation by 10% instead.



 76, 5.030, 77.916       76, 5.030, 77.916

 100, 5.030, 77.916       66, 5.030, 77.916

 96, 5.030, 77.916       56, 5.030, 77.916

 46, 5.030, 77.916

 36, 5.030, 77.916

 26, 5.030, 77.916

 16, 5.030, 77.916

 6, 5.030, 77.916

 0, 5.030, 77.916

 76, 5.030, 77.916       76, 5.030, 77.916

73, 11.756, 76.714

79, 1.434, 259.471

70, 18.760, 75.434

82, 7.660, 260.477

68, 26.047, 74.126

85, 13.671,  
261.610

65, 33.594, 72.793

88, 19.173,  
262.106

63, 41.326, 71.425

60, 49.066, 69.982

90, 17.104,  
244.746

58, 56.449, 68.374

92, 16.849,  
225.141

56, 62.815, 66.410

54, 67.408, 63.853

95, 18.427,  
207.180

96, 20.101,  
198.181

# Harmonies

# Complementary

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



76, 5.030, 77.916



75, 4.967, 260.038

# Rectangle

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



76, 5.030, 77.916



76, 5.030, 127.916



76, 5.030, 257.916



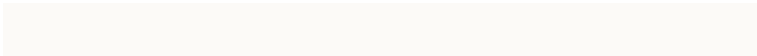
76, 5.030, 307.916

# Sweetspot

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



76, 5.031, 77.940



98, 1.585, 78.460



74, 6.791, 346.086



53, 0.908, 78.459



0, 0.000, 0.000



53, 0.007, 296.813

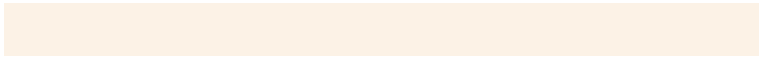


# Same Dimension

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



76, 5.031, 77.940



96, 7.266, 77.777



78, 8.006, 110.786



39, 3.694, 77.751



44, 59.492, 63.852



7, 11.566, 62.130



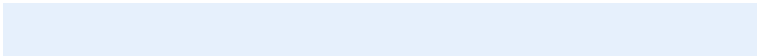


# Inverse Universe

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



75, 4.967, 260.038



94, 7.150, 260.222



73, 8.157, 292.234



39, 3.633, 260.252



33, 54.036, 286.696



4, 13.285, 272.050



# Previews

## White Background



This preview shows how the CIELCh color 76, 5.030, 77.916 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 76, 5.030, 77.916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

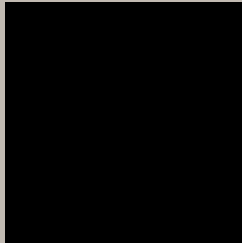
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 76, 5.030, 77.916

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 5.030, 77.916.

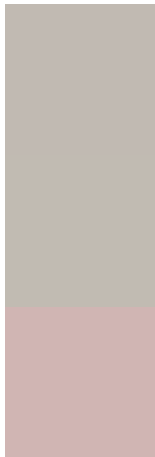


This preview shows how white text looks on a background with the CIELCh color 76, 5.030, 77.916.

# 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


76, 5.030, 77.916

### Protanopia

76, 5.319, 84.394

### Deuteranopia

76, 10.403, 26.095



**Tritanopia**  
76, 9.424, 321.095



# Trichromacy



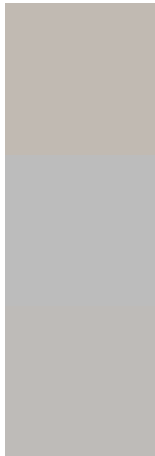
**Original Color**  
76, 5.030, 77.916

**Protanomaly**  
76, 5.319, 84.394

**Deuteranomaly**  
76, 7.928, 35.592

**Tritanomaly**  
76, 5.578, 337.319

# Monochromacy



**Original Color**  
76, 5.030, 77.916

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
76, 1.946, 74.860

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 5.030, 77.916 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(193, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(193, 186, 178)  
}
```

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(193, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 186, 178) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 5.030, 77.916 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(193, 186, 178) }
```

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

```
.border{ border-color:rgb(193, 186, 178) }
```

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

Here you see how a box with a 4 pixel rgb(193, 186, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 186, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 186, 178);  
box-shadow:4px 4px 4px 4px rgb(193, 186,  
178) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 5.030, 77.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 186, 178) }
```

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

```
.background{ background-color: rgb(193,  
186, 178) }
```

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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