

# Converting Colors

CIELCh(77, 2.684, 199.348)

Have a look what the booklet for  
CIELCh(77, 2.684, 199.348) contains.

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# Color

**CIELCh(77, 2.916, 199.360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B8C0C0
RGB	184, 192, 192
RGB Percent	72%, 75%, 75%
CMY	0.2795, 0.2481, 0.2481
CMYK	0.04, 0.00, 0.00, 0.25
HSL	180°, 6%, 74%
HSV	180°, 4%, 75%
XYZ	47.9779, 51.5317, 57.1302
YIQ	189.6080, -4.7680, -1.6960

# Conversions

## Conversions Part 2

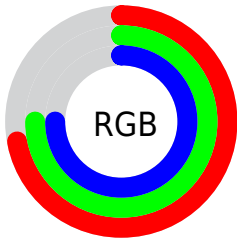
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 188, 192
Decimal	12107968
CIELab	77.00, -2.75, -0.97
CIELCh	77, 2.916, 199.360
Yxy	51.5317, 0.3063, 0.3290
Android (android.graphics.Color)	4290298048 (0xFFB8C0C0)
YUV	189.6080, 1.1793, -4.9182
Hunter-Lab	71.7856, -6.3245, 3.0643

# Details

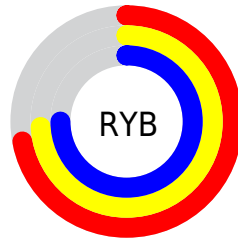
The CIELCh color `77, 2.916, 199.360` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `75, 2.994, 19.446`, and the grayscale version is `77, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 2.784, 199.458`, and `57, 3.085, 199.235` is the 20% darker color. If you saturate the color by 10%, you get `76, 9.663, 198.673`, and if you desaturate by 10%, it is `78, 4.159, 19.575`.

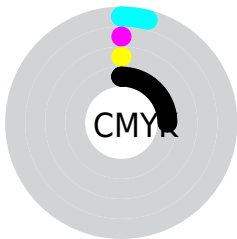
# Distribution



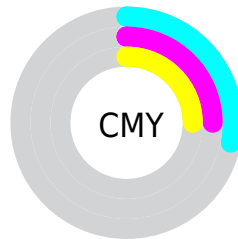
- Red (72%)
- Green (75%)
- Blue (75%)



- Red (72%)
- Yellow (74%)
- Blue (75%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (28%)
- Magenta (25%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 2.916, 199.360 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, 2.916, 199.360 by changing the saturation by 10% instead.



■ 77, 2.916, 199.360

■ 77, 2.916, 199.360

■ 100, 2.916,  
199.360

■ 67, 2.916, 199.360

■ 97, 2.916, 199.360

■ 57, 2.916, 199.360

■ 47, 2.916, 199.360

■ 37, 2.916, 199.360

■ 27, 2.916, 199.360

■ 17, 2.916, 199.360

■ 7, 2.916, 199.360

■ 0, 2.916, 199.360

■ 77, 2.916, 199.360

■ 77, 2.916, 199.360

76, 9.663, 198.673

78, 4.159, 19.575

74, 15.973,  
198.166

80, 11.472, 20.243

73, 21.736,  
197.721

82, 18.941, 20.867

73, 26.841,  
197.335

83, 24.355, 21.312

72, 31.188,  
197.012

83, 24.354, 21.303

71, 34.702,  
196.754

83, 24.354, 21.294

71, 37.344,  
196.560

83, 24.354, 21.285

71, 39.123,  
196.429

83, 24.353, 21.276

70, 40.108,  
196.355

83, 24.353, 21.267



# Harmonies

# Complementary

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



77, 2.916, 199.360



75, 2.994, 19.446

# Rectangle

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



77, 2.916, 199.360



77, 2.916, 249.360



77, 2.916, 19.360



77, 2.916, 69.360

# Sweetspot

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



77, 2.917, 199.327



98, 0.872, 200.066



77, 5.212, 143.818



52, 0.496, 200.108



99, 0.012, 296.813



52, 0.007, 296.813



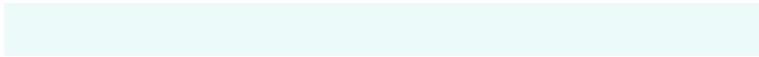


# Same Dimension

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



77, 2.917, 199.327



97, 4.326, 199.245



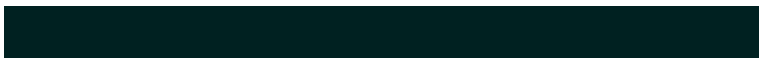
76, 2.554, 254.242



41, 2.391, 199.201



60, 35.484, 196.328



11, 12.446, 196.348

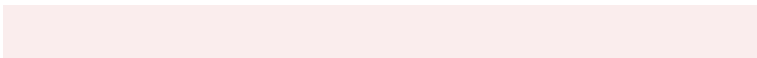


# Inverse Universe

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



75, 2.994, 19.446



95, 4.465, 19.535



76, 2.570, 72.957



39, 2.476, 19.584



33, 73.712, 39.708



3, 13.999, 19.384



# Previews

## White Background



This preview shows how the CIELCh color 77, 2.916, 199.360 looks on a white background.

## Color Contrast Check

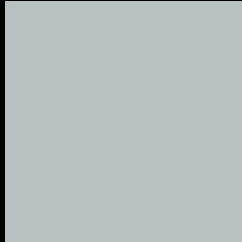
Large Text (above 18pt) WCAG AA × Fail

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, 2.916, 199.360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

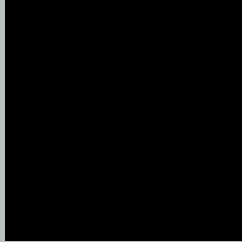
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

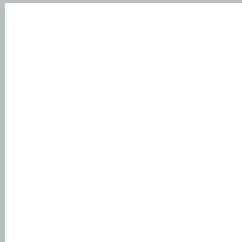
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 77, 2.916, 199.360

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 2.916, 199.360.

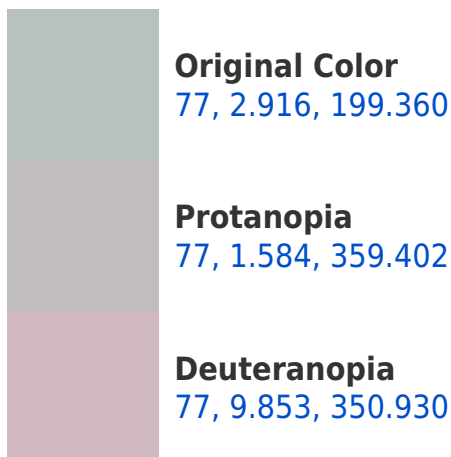


This preview shows how white text looks on a background with the CIELCh color 77, 2.916, 199.360.

# 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

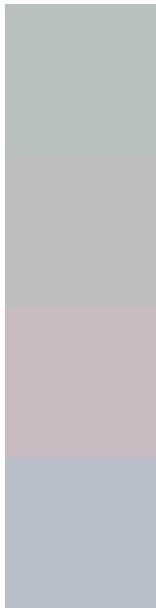






**Tritanopia**  
77, 8.155, 280.895

# Trichromacy



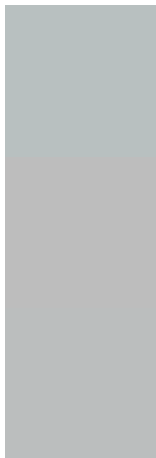
**Original Color**  
77, 2.916, 199.360

**Protanomaly**  
77, 0.545, 290.341

**Deuteranomaly**  
77, 5.512, 344.072

**Tritanomaly**  
77, 5.254, 266.455

# Monochromacy



**Original Color**  
77, 2.916, 199.360

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 1.101, 199.800

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 2.916, 199.360 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(184, 192, 192)` looks like.

```
.text, #text, p{  
    color:rgb(184, 192, 192)  
}
```

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(184, 192, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 192, 192) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 2.916, 199.360 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(184, 192, 192) }
```

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

```
.border{ border-color:rgb(184, 192, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 192, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 192, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 192, 192);  
box-shadow:4px 4px 4px 4px rgb(184, 192,  
192) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 2.916, 199.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 192, 192) }
```

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

```
.background{ background-color: rgb(184,  
192, 192) }
```

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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