

# Converting Colors

CIELCh(77, 12.210, 260.152)

Have a look what the booklet for  
CIELCh(77, 12.210, 260.152)  
contains.

<b>CIELCh(77, 12.246, 260.790)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# **Color**

**CIELCh(77, 12.246, 260.790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEC0D4
RGB	174, 192, 212
RGB Percent	68%, 75%, 83%
CMY	0.3171, 0.2465, 0.1681
CMYK	0.18, 0.09, 0.00, 0.17
HSL	212°, 31%, 76%
HSV	212°, 18%, 83%
XYZ	48.2644, 51.5317, 69.7800
YIQ	188.8980, -17.1480, 2.4040

# Conversions

## Conversions Part 2

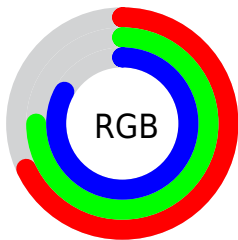
Format	Color
<b>RYB</b>	174, 186, 212
Decimal	11452628
CIELab	77.00, -1.96, -12.09
CIELCh	77, 12.246, 260.790
Yxy	51.5317, 0.2846, 0.3039
Android (android.graphics.Color)	4289642708 (0xFFAEC0D4)
YUV	188.8980, 11.3893, -13.0655
Hunter-Lab	71.7856, -5.6119, -7.3836

# Details

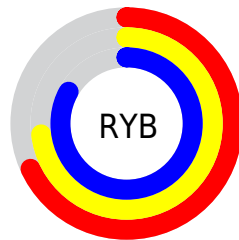
The CIELCh color  $77, 12.246, 260.790$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $79, 12.731, 75.935$ , and the grayscale version is  $77, 0.009, 296.813$ .

A 20% lighter version of the original color is  $96, 7.037, 229.832$ , and  $57, 11.944, 258.717$  is the 20% darker color. If you saturate the color by 10%, you get  $73, 19.011, 262.563$ , and if you desaturate by 10%, it is  $81, 5.427, 259.308$ .

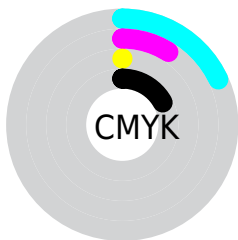
# Distribution



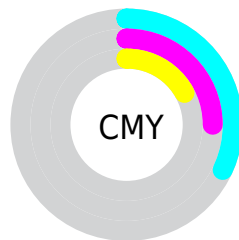
- Red (68%)
- Green (75%)
- Blue (83%)



- Red (68%)
- Yellow (73%)
- Blue (83%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)




- Cyan (32%)
- Magenta (25%)
- Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 12.246, 260.790 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, 12.246, 260.790 by changing the saturation by 10% instead.





 77, 12.246,  
260.790


 77, 12.246,  
260.790


 100, 12.246,  
260.790


 67, 12.246,  
260.790


 97, 12.246,  
260.790

 57, 12.246,  
260.790

 47, 12.246,  
260.790

 37, 12.246,  
260.790

 27, 12.246,  
260.790

 17, 12.246,  
260.790

 7, 12.246, 260.790

0, 12.246, 260.790

77, 12.246,  
260.790

77, 12.246,  
260.790

73, 19.011,  
262.563

81, 5.427, 259.308

68, 25.706,  
264.680

86, 1.422, 77.700

64, 32.321,  
267.189

90, 8.279, 76.813

60, 38.864,  
270.142

95, 14.345, 80.907

56, 45.368,  
273.568

97, 18.379,  
100.570

52, 51.900,  
277.451

99, 21.656,  
108.537

■ 48, 58.545,  
281.701

■ 45, 65.385,  
286.106

■ 44, 66.848,  
286.974

# Harmonies

# Complementary

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



77, 12.246, 260.790



79, 12.731, 75.935

# Rectangle

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



77, 12.246, 260.790



77, 12.246, 310.790



77, 12.246, 80.790



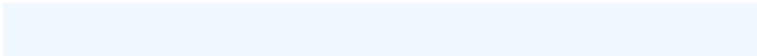
77, 12.246, 130.790

# Sweetspot

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



77, 12.245, 260.783



97, 3.986, 258.956



82, 16.879, 163.002



52, 2.718, 259.038



0, 0.000, 0.000



53, 0.007, 296.813



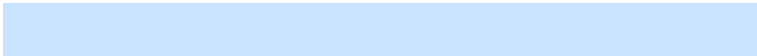


# Same Dimension

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



77, 12.245, 260.783



89, 16.647, 261.337



72, 20.710, 292.761



43, 3.920, 259.510



36, 56.026, 286.271



6, 17.850, 275.302



# Inverse Universe

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



75, 17.191, 346.670



86, 23.473, 347.007



84, 19.876, 109.151



42, 5.434, 345.849



36, 62.600, 4.224

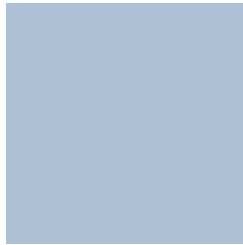


5, 23.279, 356.016



# Previews

## White Background



This preview shows how the CIELCh color 77, 12.246, 260.790 looks on a white background.

## Color Contrast Check

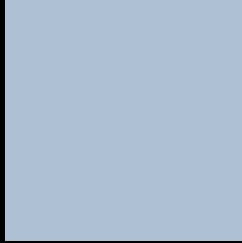
Large Text (above 18pt) WCAG AA × Fail

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 77, 12.246, 260.790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

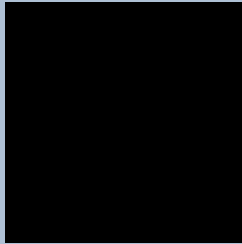
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

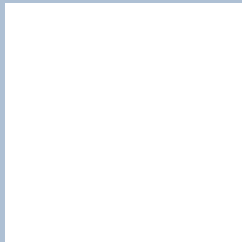
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 77, 12.246, 260.790

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.246, 260.790.



This preview shows how white text looks on a background with the CIELCh color 77, 12.246, 260.790.

# 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, 12.246, 260.790

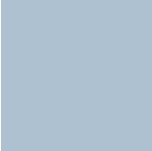
### Protanopia

77, 11.293, 287.650

### Deuteranopia

77, 16.232, 306.684





**Tritanopia**  
77, 10.482, 249.488

# Trichromacy



**Original Color**  
77, 12.246, 260.790

**Protanomaly**  
77, 11.559, 277.262

**Deuteranomaly**  
77, 13.452, 292.903

**Tritanomaly**  
77, 11.286, 253.302

# Monochromacy



**Original Color**  
77, 12.246, 260.790

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 4.308, 260.395

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 12.246, 260.790 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(174, 192, 212)` looks like.

```
.text, #text, p{  
    color:rgb(174, 192, 212)  
}
```

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(174, 192, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 192, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 12.246, 260.790 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(174, 192, 212) }
```

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

```
.border{ border-color:rgb(174, 192, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 192, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 192, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 192, 212);  
box-shadow:4px 4px 4px 4px rgb(174, 192,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 12.246, 260.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 192, 212) }
```

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

```
.background{ background-color: rgb(174,  
192, 212) }
```

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