

# Converting Colors

CIELCh(74, 6.130, 123.879)

Have a look what the booklet for  
CIELCh(74, 6.130, 123.879) contains.

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# Color

**CIELCh(74, 6.136, 123.877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3B7AC
RGB	179, 183, 172
RGB Percent	70%, 72%, 67%
CMY	0.2962, 0.2804, 0.3236
CMYK	0.02, 0.00, 0.06, 0.28
HSL	82°, 7%, 70%
HSV	82°, 6%, 72%
XYZ	43.2269, 46.7039, 46.0068
YIQ	180.5500, 1.1470, -4.2690

# Conversions

## Conversions Part 2

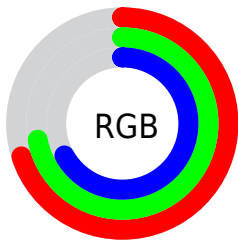
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 183, 176
Decimal	11777964
CIELab	74.00, -3.42, 5.09
CIELCh	74, 6.136, 123.877
Yxy	46.7039, 0.3180, 0.3436
Android (android.graphics.Color)	4289968044 (0xFFB3B7AC)
YUV	180.5500, -4.2152, -1.3594
Hunter-Lab	68.3403, -6.6899, 7.9241

# Details

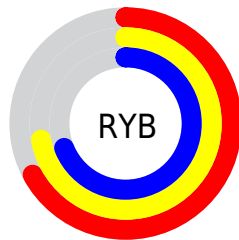
The CIELCh color `74, 6.136, 123.877` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `71, 6.215, 304.477`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 6.333, 122.789`, and `54, 5.982, 125.151` is the 20% darker color. If you saturate the color by 10%, you get `73, 16.378, 123.355`, and if you desaturate by 10%, it is `75, 4.103, 304.357`.

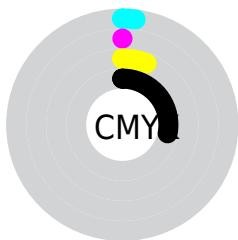
# Distribution



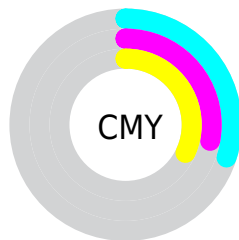
- Red (70%)
- Green (72%)
- Blue (67%)



- Red (67%)
- Yellow (72%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (28%)



- Cyan (30%)
- Magenta (28%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 6.136, 123.877 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 74, 6.136, 123.877 by changing the saturation by 10% instead.



■ 74, 6.136, 123.877

■ 74, 6.136, 123.877

■ 100, 6.136,  
123.877

■ 64, 6.136, 123.877

■ 94, 6.136, 123.877

■ 54, 6.136, 123.877

■ 44, 6.136, 123.877

■ 34, 6.136, 123.877

■ 24, 6.136, 123.877

■ 14, 6.136, 123.877

■ 4, 6.136, 123.877

■ 0, 6.136, 123.877

■ 74, 6.136, 123.877

■ 74, 6.136, 123.877

73, 16.378,  
123.355

75, 4.103, 304.357

72, 26.553,  
122.818

76, 14.297,  
304.839

71, 36.566,  
122.290

77, 24.410,  
305.278

71, 46.279,  
121.801

78, 34.419,  
305.682

70, 55.485,  
121.399

79, 39.587,  
307.453

69, 63.889,  
121.157

80, 40.136,  
310.575

69, 71.092,  
121.174

80, 40.795,  
313.647

68, 76.649,  
121.565

81, 41.560,  
316.652

68, 80.274,

82, 42.428,  
319.577

122.419

# Harmonies

# Complementary

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



74, 6.136, 123.877



71, 6.215, 304.477

# Rectangle

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



74, 6.136, 123.877



74, 6.136, 173.877



74, 6.136, 303.877



74, 6.136, 353.877

# Sweetspot

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



74, 6.138, 123.885



94, 2.534, 124.107



72, 3.412, 57.128



50, 1.440, 124.115



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



74, 6.138, 123.885



94, 8.901, 123.825



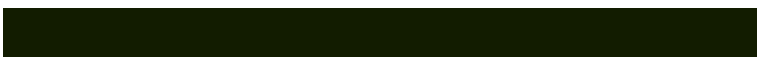
74, 6.942, 140.033



39, 4.641, 123.807



58, 71.988, 122.608



9, 16.306, 128.455



# Inverse Universe

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



71, 6.215, 304.477



90, 9.025, 304.539



72, 6.971, 320.528



36, 4.708, 304.559



21, 88.585, 309.388



1, 15.680, 300.702



# Previews

## White Background



This preview shows how the CIELCh color 74, 6.136, 123.877 looks on a white background.

## Color Contrast Check

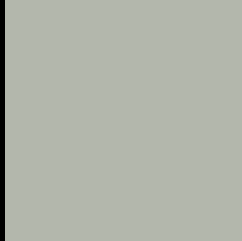
Large Text (above 18pt) WCAG AA × Fail

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 74, 6.136, 123.877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

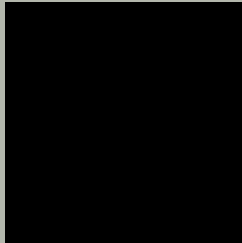
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

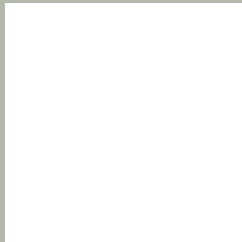
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 74, 6.136, 123.877**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 74, 6.136, 123.877.



This preview shows how white text looks on a background with the CIELCh color 74, 6.136, 123.877.

# 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

74, 6.136, 123.877


### Protanopia

74, 6.007, 83.152

### Deuteranopia

74, 10.073, 26.311





**Tritanopia**  
74, 7.685, 299.030

# Trichromacy



**Original Color**  
74, 6.136, 123.877

**Protanomaly**  
74, 5.501, 97.659

**Deuteranomaly**  
74, 6.591, 49.088

**Tritanomaly**  
74, 2.745, 298.170

# Monochromacy



**Original Color**  
74, 6.136, 123.877

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 2.288, 129.023

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 6.136, 123.877 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(179, 183, 172)` looks like.

```
.text, #text, p{  
    color:rgb(179, 183, 172)  
}
```

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(179, 183, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 183, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 6.136, 123.877 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(179, 183, 172) }
```

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

```
.border{ border-color:rgb(179, 183, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 183, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 183, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 183, 172); box-shadow:4px 4px 4px 4px rgb(179, 183, 172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 6.136, 123.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 183, 172) }
```

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

```
.background{ background-color: rgb(179,  
183, 172) }
```

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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