

# Converting Colors

CIELCh(74, 10.255, 260.985)

Have a look what the booklet for  
CIELCh(74, 10.255, 260.985)  
contains.

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# **Color**

**CIELCh(74, 10.014, 259.317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9B8C8
RGB	169, 184, 200
RGB Percent	66%, 72%, 78%
CMY	0.3385, 0.2797, 0.2170
CMYK	0.16, 0.08, 0.00, 0.22
HSL	211°, 22%, 72%
HSV	211°, 16%, 78%
XYZ	43.7565, 46.7039, 61.1538
YIQ	181.3390, -14.0760, 1.7960

# Conversions

## Conversions Part 2

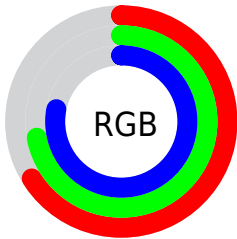
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	169, 179, 200
Decimal	11122888
CIE Lab	74.00, -1.86, -9.84
CIE LCh	74, 10.014, 259.317
Yxy	46.7039, 0.2886, 0.3080
Android (android.graphics.Color)	4289312968 (0xFFA9B8C8)
YUV	181.3390, 9.1999, -10.8213
Hunter-Lab	68.3403, -5.3067, -5.2170

# Details

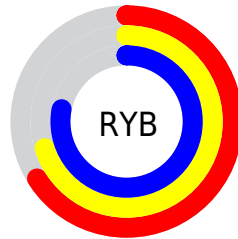
The CIELCh color `74, 10.014, 259.317` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `76, 10.374, 75.183`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `94, 9.327, 255.313`, and `54, 9.923, 260.059` is the 20% darker color. If you saturate the color by 10%, you get `70, 16.392, 260.999`, and if you desaturate by 10%, it is `78, 3.577, 257.931`.

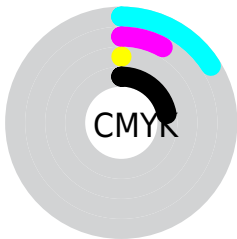
# Distribution



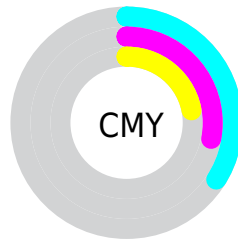
- Red (66%)
- Green (72%)
- Blue (78%)



- Red (66%)
- Yellow (70%)
- Blue (78%)



- Cyan (16%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)




- Cyan (34%)
- Magenta (28%)
- Yellow (22%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 10.014, 259.317 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, 10.014, 259.317 by changing the saturation by 10% instead.





 74, 10.014,  
259.317


 74, 10.014,  
259.317


 100, 10.014,  
259.317


 64, 10.014,  
259.317


 94, 10.014,  
259.317

 54, 10.014,  
259.317

 44, 10.014,  
259.317

 34, 10.014,  
259.317

 24, 10.014,  
259.317

 14, 10.014,  
259.317

 4, 10.014, 259.317

0, 10.014, 259.317

74, 10.014,  
259.317

74, 10.014,  
259.317

70, 16.392,  
260.999

78, 3.577, 257.931

82, 2.894, 76.485

66, 22.694,  
263.016

87, 9.378, 75.522

62, 28.904,  
265.411

91, 15.856, 74.635

58, 35.023,  
268.240

94, 19.724, 86.297

96, 23.569, 99.585

54, 41.074,  
271.542

99, 27.895,  
108.059

50, 47.111,  
275.318

■ 47, 53.214,  
279.503

■ 44, 59.470,  
283.942

■ 42, 62.356,  
285.858

# Harmonies

# Complementary

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



74, 10.014, 259.317



76, 10.374, 75.183

# Rectangle

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



74, 10.014, 259.317



74, 10.014, 309.317



74, 10.014, 79.317



74, 10.014, 129.317

# Sweetspot

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



74, 10.013, 259.309



97, 3.952, 257.881



78, 14.103, 162.348



52, 2.695, 257.962



0, 0.000, 0.000



53, 0.007, 296.813



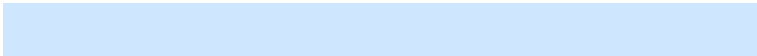


# Same Dimension

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



74, 10.013, 259.309



90, 14.927, 259.908



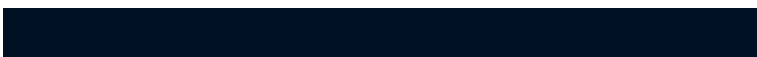
70, 16.992, 291.857



40, 3.656, 258.419



34, 52.893, 285.157



5, 14.279, 271.651



# Inverse Universe

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



72, 14.233, 345.847



88, 21.333, 346.214



80, 16.403, 108.685



39, 5.147, 345.267



35, 60.594, 3.072

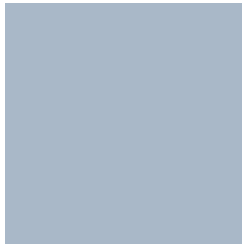


4, 17.705, 353.956



# Previews

## White Background



This preview shows how the CIELCh color 74, 10.014, 259.317 looks on a white background.

## Color Contrast Check

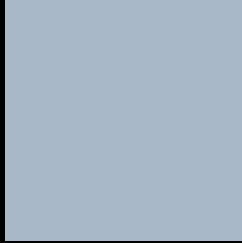
Large Text (above 18pt) WCAG AA × Fail

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 74, 10.014, 259.317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

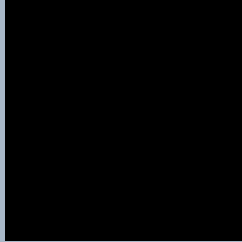
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

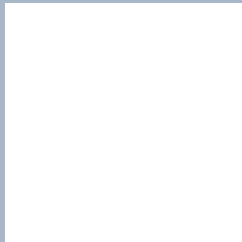
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 10.014, 259.317

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 10.014, 259.317.



This preview shows how white text looks on a background with the CIELCh color 74, 10.014, 259.317.

# 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, 10.014, 259.317

**Protanopia**  
74, 9.760, 291.112

**Deuteranopia**  
74, 13.893, 311.020





**Tritanopia**  
74, 9.323, 253.760

# Trichromacy



**Original Color**  
74, 10.014, 259.317

**Protanomaly**  
74, 9.879, 280.771

**Deuteranomaly**  
74, 12.001, 296.414

**Tritanomaly**  
74, 9.751, 255.787

# Monochromacy



**Original Color**  
74, 10.014, 259.317

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 3.701, 261.010

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 10.014, 259.317 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(169, 184, 200)` looks like.

```
.text, #text, p{  
    color:rgb(169, 184, 200)  
}
```

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(169, 184, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 184, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 10.014, 259.317 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(169, 184, 200) }
```

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

```
.border{ border-color:rgb(169, 184, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 184, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 184, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 184, 200);  
box-shadow:4px 4px 4px 4px rgb(169, 184,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 10.014, 259.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 184, 200) }
```

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

```
.background{ background-color: rgb(169,  
184, 200) }
```

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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