

# Converting Colors

CIELCh(78, 18.029, 246.344)

Have a look what the booklet for  
CIELCh(78, 18.029, 246.344)  
contains.

<b>CIELCh(78, 18.150, 246.614)</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(78, 18.150, 246.614)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FC6DF
RGB	159, 198, 223
RGB Percent	62%, 78%, 87%
CMY	0.3757, 0.2227, 0.1247
CMYK	0.29, 0.11, 0.00, 0.12
HSL	203°, 50%, 75%
HSV	203°, 29%, 88%
XYZ	47.9263, 53.2120, 77.7048
YIQ	189.1890, -31.2690, -0.4930

# Conversions

## Conversions Part 2

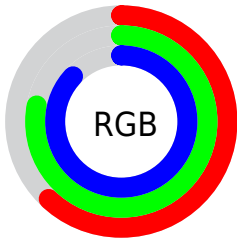
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 183, 223
Decimal	10471135
CIELab	78.00, -7.20, -16.66
CIELCh	78, 18.150, 246.614
Yxy	53.2120, 0.2680, 0.2975
Android (android.graphics.Color)	4288661215 (0xFF9FC6DF)
YUV	189.1890, 16.6688, -26.4758
Hunter-Lab	72.9466, -10.3810, -12.0948

# Details

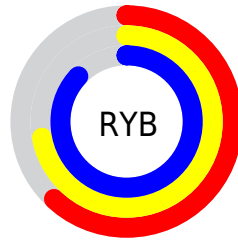
The CIELCh color **78, 18.150, 246.614** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78, 20.752, 59.948**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.412, 198.611**, and **58, 18.208, 247.560** is the 20% darker color. If you saturate the color by 10%, you get **74, 23.968, 248.548**, and if you desaturate by 10%, it is **82, 12.035, 245.035**.

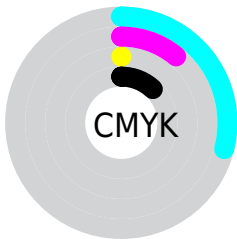
# Distribution



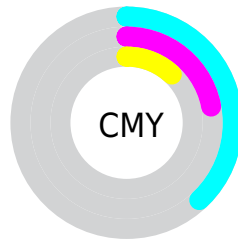
- Red (62%)
- Green (78%)
- Blue (87%)



- Red (62%)
- Yellow (72%)
- Blue (87%)



- Cyan (29%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)




- Cyan (38%)
- Magenta (22%)
- Yellow (12%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 18.150, 246.614 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 78, 18.150, 246.614 by changing the saturation by 10% instead.





 78, 18.150,  
246.614


 78, 18.150,  
246.614


 100, 18.150,  
246.614


 68, 18.150,  
246.614


 98, 18.150,  
246.614

 58, 18.150,  
246.614

 48, 18.150,  
246.614

 38, 18.150,  
246.614

 28, 18.150,  
246.614

 18, 18.150,  
246.614

 8, 18.150, 246.614

0, 18.150, 246.614

78, 18.150,  
246.614

78, 18.150,  
246.614

74, 23.968,  
248.548

82, 12.035,  
245.035

71, 29.444,  
250.923

86, 5.677, 243.780

67, 34.550,  
253.812

89, 0.871, 62.063

93, 7.561, 61.677

64, 39.290,  
257.284

96, 10.643, 82.385

61, 43.724,  
261.371

98, 13.950,  
102.366

58, 47.969,  
266.031

99, 16.081,  
108.962

■ 55, 52.211,  
271.065

■ 55, 52.793,  
271.711

# Harmonies

# Complementary

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



78, 18.150, 246.614



78, 20.752, 59.948

# Rectangle

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



78, 18.150, 246.614



78, 18.150, 296.614



78, 18.150, 66.614



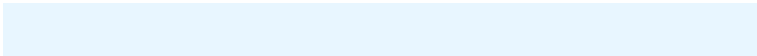
78, 18.150, 116.614

# Sweetspot

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



78, 18.149, 246.610



96, 6.558, 243.823



84, 31.070, 155.417



51, 4.547, 243.988



0, 0.000, 0.000



53, 0.007, 296.813



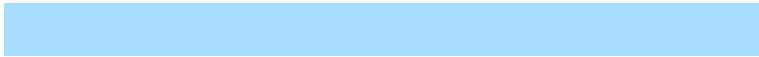


# Same Dimension

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



78, 18.149, 246.610



86, 23.703, 247.642



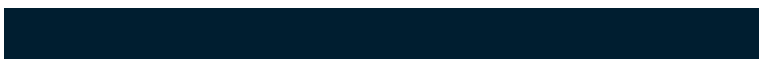
70, 31.042, 288.772



45, 3.728, 243.865



44, 43.653, 270.835



10, 15.903, 260.795



# Inverse Universe

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



73, 31.496, 340.518



79, 41.573, 341.049



86, 29.501, 101.880



44, 6.196, 338.868



38, 66.484, 351.977

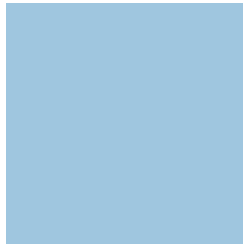


7, 27.835, 346.971



# Previews

## White Background



This preview shows how the CIELCh color 78, 18.150, 246.614 looks on a white background.

## Color Contrast Check

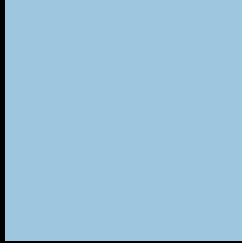
Large Text (above 18pt) WCAG AA × Fail

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 78, 18.150, 246.614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

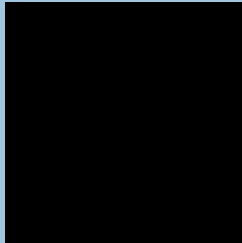
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 18.150, 246.614

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 18.150, 246.614.



This preview shows how white text looks on a background with the CIELCh color 78, 18.150, 246.614.

# 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**  
78, 18.150, 246.614

**Protanopia**  
78, 14.493, 287.392

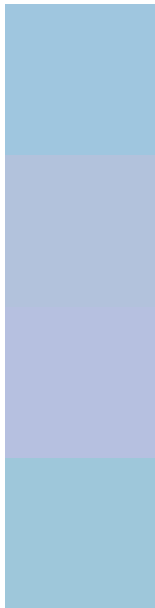
**Deuteranopia**  
78, 20.052, 298.842





**Tritanopia**  
78, 15.873, 231.446

# Trichromacy



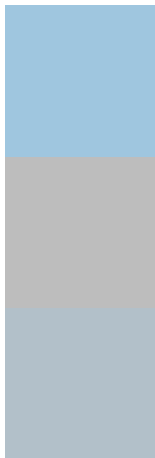
**Original Color**  
78, 18.150, 246.614

**Protanomaly**  
78, 14.805, 269.897

**Deuteranomaly**  
78, 17.394, 280.519

**Tritanomaly**  
78, 16.661, 236.493

# Monochromacy



**Original Color**  
78, 18.150, 246.614

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
77, 6.852, 244.170

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 18.150, 246.614 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(159, 198, 223)` looks like.

```
.text, #text, p{  
    color:rgb(159, 198, 223)  
}
```

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(159, 198, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 198, 223) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 18.150, 246.614 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(159, 198, 223) }
```

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

```
.border{ border-color:rgb(159, 198, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 198, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 198, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 198, 223);  
box-shadow:4px 4px 4px 4px rgb(159, 198,  
223) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 18.150, 246.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 198, 223) }
```

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

```
.background{ background-color: rgb(159,  
198, 223) }
```

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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