

# Converting Colors

CIELCh(80, 17.316, 219.902)

Have a look what the booklet for  
CIELCh(80, 17.316, 219.902)  
contains.

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# Color

**CIELCh(80, 17.360, 218.174)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DCFDA
RGB	157, 207, 218
RGB Percent	62%, 81%, 85%
CMY	0.3854, 0.1893, 0.1462
CMYK	0.28, 0.05, 0.00, 0.15
HSL	191°, 45%, 73%
HSV	191°, 28%, 85%
XYZ	48.7173, 56.6813, 74.5131
YIQ	193.3040, -33.3310, -7.1790

# Conversions

## Conversions Part 2

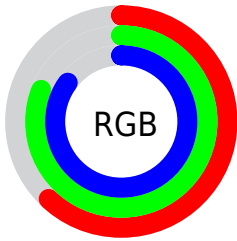
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 184, 218
Decimal	10342362
CIELab	80.00, -13.65, -10.73
CIELCh	80, 17.360, 218.174
Yxy	56.6813, 0.2708, 0.3151
Android (android.graphics.Color)	4288532442 (0xFF9DCFDA)
YUV	193.3040, 12.1751, -31.8386
Hunter-Lab	75.2870, -16.2470, -5.9796

# Details

The CIELCh color **80, 17.360, 218.174** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **73, 21.093, 37.220**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 14.050, 198.569**, and **60, 17.310, 217.217** is the 20% darker color. If you saturate the color by 10%, you get **78, 22.628, 218.846**, and if you desaturate by 10%, it is **82, 11.543, 217.715**.

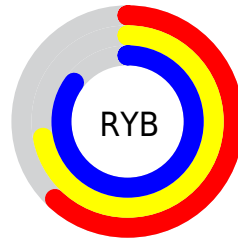
# Distribution



Red (62%)

Green (81%)

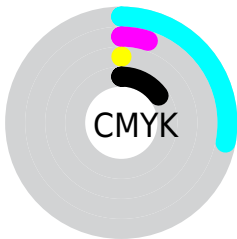
Blue (85%)



Red (62%)

Yellow (72%)

Blue (85%)

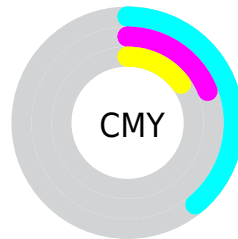


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (15%)



Cyan (39%)

Magenta (19%)


Yellow (15%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 17.360, 218.174 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 80, 17.360, 218.174 by changing the saturation by 10% instead.





 80, 17.360,  
218.174


 80, 17.360,  
218.174


 100, 17.360,  
218.174


 70, 17.360,  
218.174


 60, 17.360,  
218.174

 50, 17.360,  
218.174

 40, 17.360,  
218.174

 30, 17.360,  
218.174

 20, 17.360,  
218.174

 10, 17.360,

218.174

0, 17.360, 218.174

80, 17.360,  
218.174

80, 17.360,  
218.174

78, 22.628,  
218.846

82, 11.543,  
217.715

76, 27.244,  
219.793

85, 5.279, 217.471

74, 31.114,  
221.076

87, 1.337, 36.750

90, 8.221, 37.043

72, 34.169,  
222.766

92, 11.506, 42.671

70, 36.389,  
224.944

93, 11.205, 54.912

94, 11.435, 67.203

■ 69, 37.816,  
227.682

■ 95, 12.162, 78.477

■ 68, 38.601,  
230.996

■ 96, 13.301, 88.114

■ 67, 38.736,  
231.681

# Harmonies

# Complementary

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



80, 17.360, 218.174



73, 21.093, 37.220

# Rectangle

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



80, 17.360, 218.174



80, 17.360, 268.174



80, 17.360, 38.174



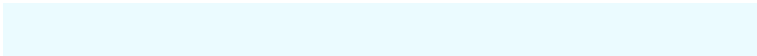
80, 17.360, 88.174

# Sweetspot

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



80, 17.360, 218.169



98, 5.990, 217.471



82, 35.044, 147.332



52, 4.241, 217.491



0, 0.000, 0.000



53, 0.007, 296.813



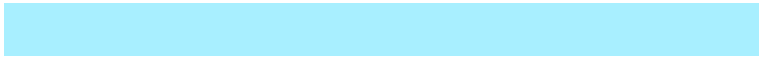


# Same Dimension

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



80, 17.360, 218.169



91, 23.374, 218.566



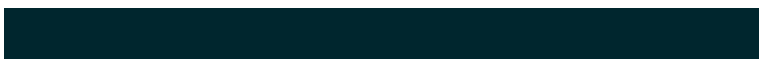
72, 22.897, 275.393



45, 3.748, 217.489



54, 32.665, 231.073



13, 13.114, 224.352



# Inverse Universe

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



72, 34.821, 331.606



79, 47.910, 332.024



80, 23.041, 87.523



43, 7.062, 330.399



39, 75.263, 336.931



6, 30.440, 335.135



# Previews

## White Background



This preview shows how the CIE LCh color 80, 17.360, 218.174 looks on a white background.

## Color Contrast Check

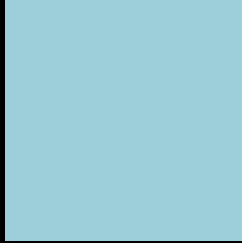
Large Text (above 18pt) WCAG AA × Fail

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 80, 17.360, 218.174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

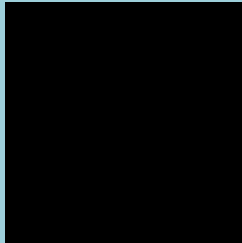
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 80, 17.360, 218.174

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 17.360, 218.174.

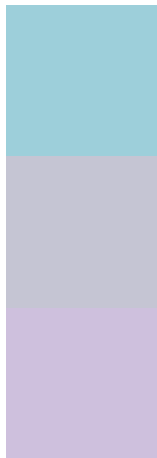


This preview shows how white text looks on a background with the CIELCh color 80, 17.360, 218.174.

# 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

80, 17.360, 218.174

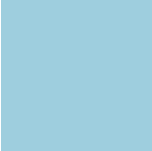
### Protanopia

80, 7.468, 290.853

### Deuteranopia

80, 16.325, 309.066





**Tritanopia**  
80, 17.641, 227.513

# Trichromacy



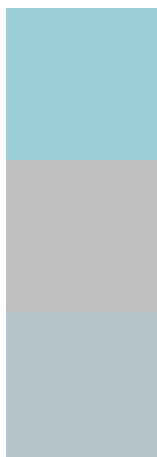
**Original Color**  
80, 17.360, 218.174

**Protanomaly**  
80, 9.076, 244.028

**Deuteranomaly**  
79, 12.588, 277.007

**Tritanomaly**  
80, 17.261, 224.173

# Monochromacy



**Original Color**  
80, 17.360, 218.174

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
79, 6.696, 217.696

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 17.360, 218.174 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(157, 207, 218)` looks like.

```
.text, #text, p{  
    color:rgb(157, 207, 218)  
}
```

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(157, 207, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 207, 218) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 17.360, 218.174 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(157, 207, 218) }
```

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

```
.border{ border-color:rgb(157, 207, 218) }
```

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

Here you see how a box with a 4 pixel rgb(157, 207, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 207, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 207, 218);  
box-shadow:4px 4px 4px 4px rgb(157, 207,  
218) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 17.360, 218.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 207, 218) }
```

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

```
.background{ background-color: rgb(157,  
207, 218) }
```

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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