

Converting Colors

CIELCh(80, 21.143, 246.408)

Have a look what the booklet for
CIELCh(80, 21.143, 246.408)
contains.

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Color

CIELCh(80, 21.078, 246.118)

Conversions

Conversions Part 1

Format	Color
Hex	9ECDEA
RGB	158, 205, 234
RGB Percent	62%, 80%, 92%
CMY	0.3815, 0.1972, 0.0836
CMYK	0.33, 0.12, 0.00, 0.08
HSL	203°, 64%, 77%
HSV	203°, 33%, 92%
XYZ	50.6091, 56.6813, 85.8835
YIQ	194.2530, -37.3210, -0.9450

Conversions

Conversions Part 2

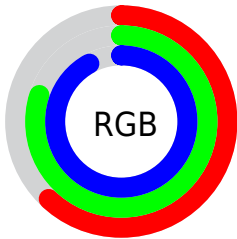
Format	Color
R _{YB}	158, 187, 234
Decimal	10407402
CIE _{Lab}	80.00, -8.53, -19.27
CIE _{LCh}	80, 21.078, 246.118
Y _{xy}	56.6813, 0.2620, 0.2934
Android (android.graphics.Color)	4288597482 (0xFF9ECDEA)
YUV	194.2530, 19.5953, -31.7939
Hunter-Lab	75.2870, -11.7618, -14.9341

Details

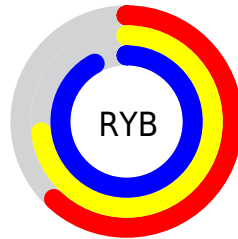
The CIELCh color **80, 21.078, 246.118** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79, 24.737, 58.584**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.731, 198.590**, and **60, 20.956, 245.522** is the 20% darker color. If you saturate the color by 10%, you get **76, 26.916, 248.188**, and if you desaturate by 10%, it is **84, 14.894, 244.433**.

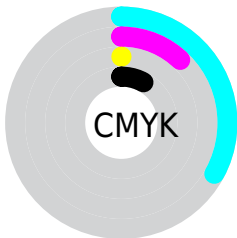
Distribution



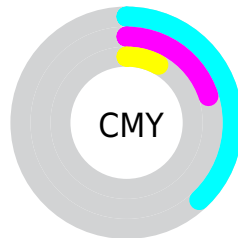
- Red (62%)
- Green (80%)
- Blue (92%)



- Red (62%)
- Yellow (73%)
- Blue (92%)



- Cyan (33%)
- Magenta (12%)
- Yellow (0%)
- Black (8%)



- Cyan (38%)
- Magenta (20%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 21.078, 246.118 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, 21.078, 246.118 by changing the saturation by 10% instead.

■ 80, 21.078,
246.118

■ 80, 21.078,
246.118

■ 100, 21.078,
246.118

■ 70, 21.078,
246.118

■ 60, 21.078,
246.118

■ 50, 21.078,
246.118

■ 40, 21.078,
246.118

■ 30, 21.078,
246.118

■ 20, 21.078,
246.118

■ 10, 21.078,

246.118

0, 21.078, 246.118

80, 21.078,
246.118

80, 21.078,
246.118

76, 26.916,
248.188

84, 14.894,
244.433

73, 32.365,
250.732

88, 8.422, 243.081

69, 37.402,
253.826

92, 1.722, 242.191

96, 5.155, 60.867

66, 42.051,
257.530

98, 8.170, 94.944

63, 46.395,
261.859

99, 10.785,
109.362

■ 60, 50.584,
266.737

■ 58, 53.761,
270.544

Harmonies

Complementary

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



80, 21.078, 246.118



79, 24.737, 58.584

Rectangle

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



80, 21.078, 246.118



80, 21.078, 296.118



80, 21.078, 66.118



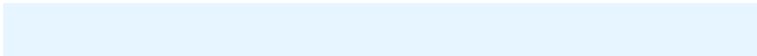
80, 21.078, 116.118

Sweetspot

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



80, 21.077, 246.115



96, 7.251, 242.796



87, 36.970, 154.285



50, 4.936, 242.956



0, 0.000, 0.000



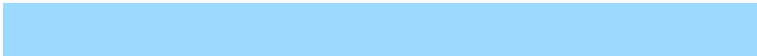
53, 0.007, 296.813

Same Dimension

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



80, 21.077, 246.115



84, 26.720, 247.450



70, 36.094, 288.639



47, 3.853, 242.732



46, 43.858, 269.630



12, 16.913, 260.681

Inverse Universe

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



74, 37.281, 340.439



76, 47.831, 341.095



88, 34.136, 100.535



46, 6.468, 338.448



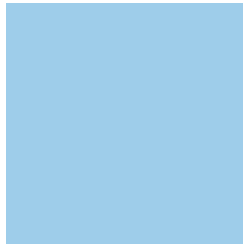
40, 68.178, 351.276



8, 30.093, 346.791

Previews

White Background



This preview shows how the CIE LCh color 80, 21.078, 246.118 looks on a white background.

Color Contrast Check

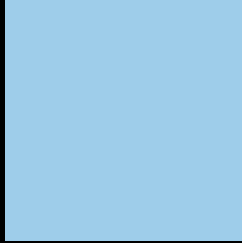
Large Text (above 18pt) WCAG AA × Fail

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 80, 21.078, 246.118 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, 21.078, 246.118

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.078, 246.118.



This preview shows how white text looks on a background with the CIELCh color 80, 21.078, 246.118.

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, 21.078, 246.118

Protanopia

80, 17.097, 287.131

Deuteranopia

80, 23.066, 296.386

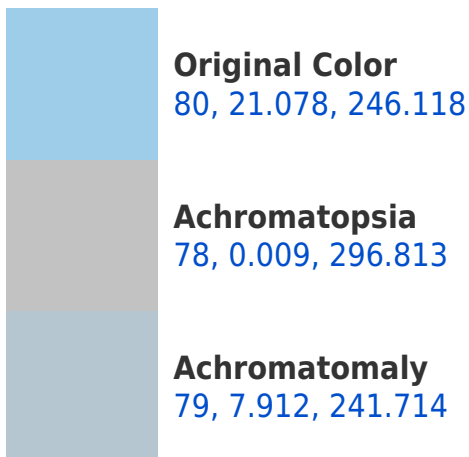


Tritanopia
80, 18.621, 227.691

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.078, 246.118 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(158, 205, 234)` looks like.

```
.text, #text, p{  
    color:rgb(158, 205, 234)  
}
```

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(158, 205, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 205, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.078, 246.118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

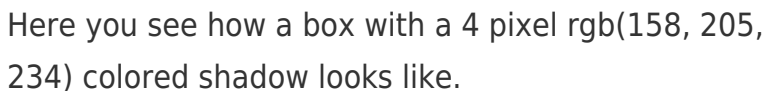
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 205, 234) }
```

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

```
.border{ border-color:rgb(158, 205, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 205, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 205, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 205, 234); box-shadow:4px 4px 4px 4px rgb(158, 205, 234) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.078, 246.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 205, 234) }
```

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

```
.background{ background-color: rgb(158,  
205, 234) }
```

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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