

Converting Colors

CIELCh(80, 19.241, 239.353)

Have a look what the booklet for
CIELCh(80, 19.241, 239.353)
contains.

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Color

CIELCh(80, 19.453, 239.955)

Conversions

Conversions Part 1

Format	Color
Hex	9ECDE5
RGB	158, 205, 229
RGB Percent	62%, 80%, 90%
CMY	0.3798, 0.1955, 0.1014
CMYK	0.31, 0.10, 0.00, 0.10
HSL	200°, 58%, 76%
HSV	200°, 31%, 90%
XYZ	50.1585, 56.6813, 82.5340
YIQ	193.6830, -35.7160, -2.5000

Conversions

Conversions Part 2

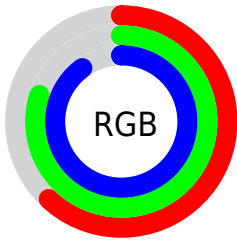
Format	Color
R _{YB}	158, 186, 229
Decimal	10407397
CIE _{Lab}	80.00, -9.74, -16.84
CIE _{LCh}	80, 19.453, 239.955
Y _{xy}	56.6813, 0.2649, 0.2993
Android (android.graphics.Color)	4288597477 (0xFF9ECDE5)
Y _{UV}	193.6830, 17.4113, -31.2940
Hunter-Lab	75.2870, -12.8300, -12.2963

Details

The CIELCh color `80, 19.453, 239.955` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `78, 23.119, 53.899`, 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, 19.633, 240.130` is the 20% darker color. If you saturate the color by 10%, you get `77, 25.004, 241.765`, and if you desaturate by 10%, it is `83, 13.499, 238.505`.

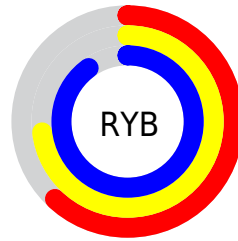
Distribution



Red (62%)

Green (80%)

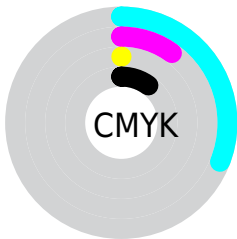
Blue (90%)



Red (62%)

Yellow (73%)

Blue (90%)

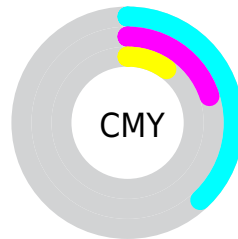


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (10%)



Cyan (38%)

Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 19.453, 239.955 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, 19.453, 239.955 by changing the saturation by 10% instead.

■ 80, 19.453,
239.955

■ 80, 19.453,
239.955

■ 100, 19.453,
239.955

■ 70, 19.453,
239.955

■ 60, 19.453,
239.955

■ 50, 19.453,
239.955

■ 40, 19.453,
239.955

■ 30, 19.453,
239.955

■ 20, 19.453,
239.955

■ 10, 19.453,

239.955

0, 19.453, 239.955

80, 19.453,
239.955

80, 19.453,
239.955

77, 25.004,
241.765

83, 13.499,
238.505

73, 30.093,
244.027

87, 7.213, 237.371

70, 34.676,
246.825

91, 0.663, 237.168

94, 6.092, 55.514

67, 38.753,
250.240

97, 8.510, 81.238

65, 42.382,
254.321

99, 11.458,
103.165

■ 62, 45.696,
259.045

■ 99, 13.082,
109.189

■ 60, 48.613,
263.647

Harmonies

Complementary

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



80, 19.453, 239.955



78, 23.119, 53.899

Rectangle

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



80, 19.453, 239.955



80, 19.453, 289.955



80, 19.453, 59.955



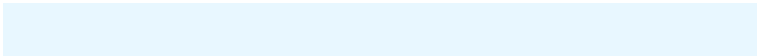
80, 19.453, 109.955

Sweetspot

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



80, 19.452, 239.951



96, 6.468, 237.189



85, 35.616, 153.065



51, 4.482, 237.325



0, 0.000, 0.000



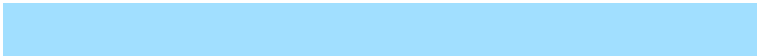
53, 0.007, 296.813

Same Dimension

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



80, 19.452, 239.951



86, 24.897, 241.034



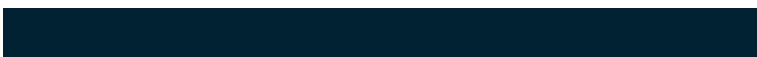
71, 32.452, 286.672



46, 3.745, 237.225



47, 39.923, 262.724



12, 15.374, 253.311

Inverse Universe

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



73, 36.003, 338.238



77, 46.752, 338.793



86, 31.025, 98.804



45, 6.551, 336.503



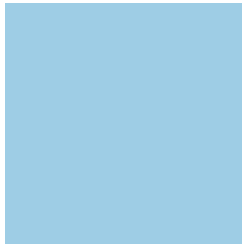
39, 69.055, 347.717



7, 29.849, 343.824

Previews

White Background



This preview shows how the CIE LCh color 80, 19.453, 239.955 looks on a white background.

Color Contrast Check

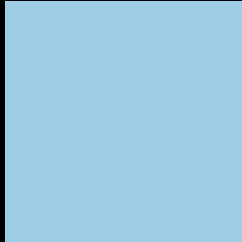
Large Text (above 18pt) WCAG AA × Fail

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, 19.453, 239.955 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, 19.453, 239.955

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.453, 239.955.



This preview shows how white text looks on a background with the CIELCh color 80, 19.453, 239.955.

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, 19.453, 239.955

Protanopia
80, 14.409, 288.719

Deuteranopia
80, 21.058, 299.452



Tritanopia
80, 18.108, 228.634

Trichromacy



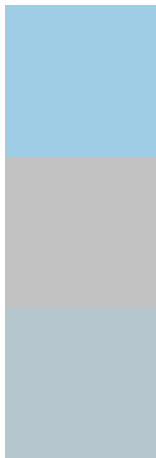
Original Color
80, 19.453, 239.955

Protanomaly
80, 14.976, 267.453

Deuteranomaly
80, 18.471, 279.226

Tritanomaly
80, 18.558, 231.726

Monochromacy



Original Color
80, 19.453, 239.955

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 7.583, 238.568

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.453, 239.955 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 205, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 205, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.453, 239.955 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, 229) }
```

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

```
.border{ border-color:rgb(158, 205, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 205, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 205, 229);  
box-shadow:4px 4px 4px 4px rgb(158, 205,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.453, 239.955 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, 229) }
```

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

```
.background{ background-color: rgb(158,  
205, 229) }
```

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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