

Converting Colors

CIELCh(80, 19.600, 237.460)

Have a look what the booklet for
CIELCh(80, 19.600, 237.460)
contains.

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Color

CIELCh(80, 19.600, 237.460)

Conversions

Conversions Part 1

Format	Color
Hex	9DCEE5
RGB	157, 206, 229
RGB Percent	62%, 81%, 90%
CMY	0.3860, 0.1939, 0.1038
CMYK	0.31, 0.10, 0.00, 0.10
HSL	199°, 58%, 76%
HSV	199°, 31%, 90%
XYZ	49.8601, 56.6813, 82.1057
YIQ	193.9710, -36.5870, -3.2350

Conversions

Conversions Part 2

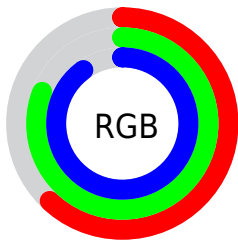
Format	Color
R _{YB}	157, 186, 229
Decimal	10342117
CIE _{Lab}	80.00, -10.54, -16.52
CIE _{LCh}	80, 19.600, 237.460
Yxy	56.6813, 0.2643, 0.3005
Android (android.graphics.Color)	4288532197 (0xFF9DCEE5)
YUV	193.9710, 17.2693, -32.4236
Hunter-Lab	75.2870, -13.5375, -11.9590

Details

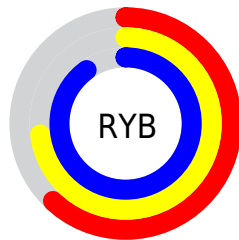
The CIELCh color **80, 19.600, 237.460** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 23.566, 51.812**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 14.050, 198.569**, and **60, 19.754, 237.554** is the 20% darker color. If you saturate the color by 10%, you get **77, 25.031, 239.191**, and if you desaturate by 10%, it is **83, 13.735, 236.084**.

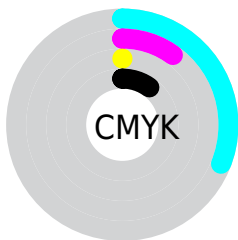
Distribution



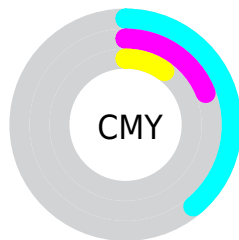
- Red (62%)
- Green (81%)
- Blue (90%)



- Red (62%)
- Yellow (73%)
- Blue (90%)



- Cyan (31%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (39%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 19.600, 237.460 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, 19.600, 237.460 by changing the saturation by 10% instead.

■ 80, 19.600,
237.460

■ 80, 19.600,
237.460

■ 100, 19.600,
237.460

■ 70, 19.600,
237.460

■ 60, 19.600,
237.460

■ 50, 19.600,
237.460

■ 40, 19.600,
237.460

■ 30, 19.600,
237.460

■ 20, 19.600,
237.460

■ 10, 19.600,

237.460

0, 19.600, 237.460

80, 19.600,
237.460

80, 19.600,
237.460

77, 25.031,
239.191

83, 13.735,
236.084

74, 29.962,
241.369

87, 7.511, 235.018

71, 34.345,
244.081

90, 1.000, 234.619

94, 5.733, 53.281

68, 38.175,
247.413

96, 8.333, 75.203

65, 41.505,
251.422

98, 10.755, 98.349

99, 13.389,

■ 63, 44.469,
256.098

109.166

■ 61, 46.892,
260.412

Harmonies

Complementary

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



80, 19.600, 237.460



77, 23.566, 51.812

Rectangle

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



80, 19.600, 237.460



80, 19.600, 287.460



80, 19.600, 57.460



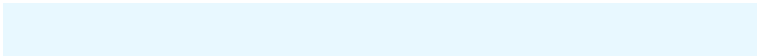
80, 19.600, 107.460

Sweetspot

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



80, 19.599, 237.456



97, 6.458, 234.805



85, 36.586, 152.344



51, 4.474, 234.930



0, 0.000, 0.000



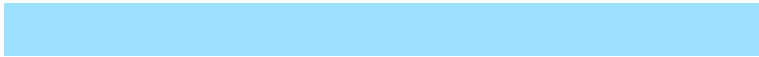
53, 0.007, 296.813

Same Dimension

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



80, 19.599, 237.456



86, 25.321, 238.580



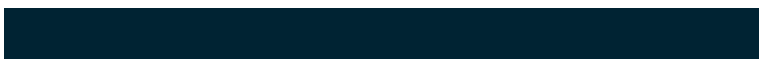
70, 32.294, 285.868



46, 3.738, 234.839



48, 38.632, 259.500



12, 15.042, 250.214

Inverse Universe

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



73, 36.977, 337.438



77, 48.574, 338.021



86, 30.974, 97.739



45, 6.639, 335.705



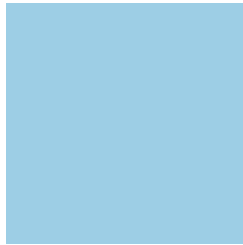
39, 69.820, 346.277



7, 30.177, 342.704

Previews

White Background



This preview shows how the CIELCh color 80, 19.600, 237.460 looks on a white background.

Color Contrast Check

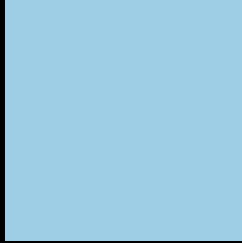
Large Text (above 18pt) WCAG AA × Fail

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, 19.600, 237.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

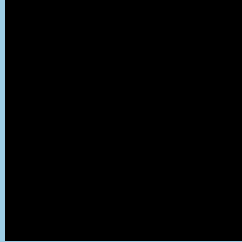
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 19.600, 237.460

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.600, 237.460.



This preview shows how white text looks on a background with the CIELCh color 80, 19.600, 237.460.

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](#).

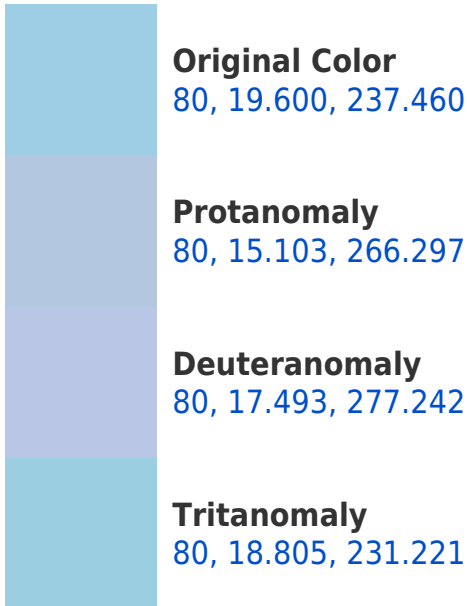
Dichromacy



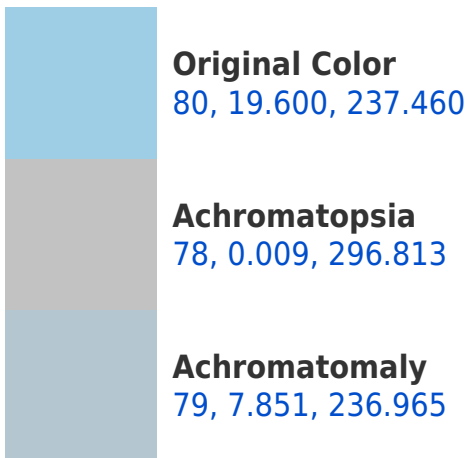


Tritanopia
80, 18.621, 227.691

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.600, 237.460 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, 206, 229)` looks like.

```
.text, #text, p{  
    color:rgb(157, 206, 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(157, 206, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 206, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.600, 237.460 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, 206, 229) }
```

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

```
.border{ border-color:rgb(157, 206, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 206, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 206, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 206, 229); box-shadow:4px 4px 4px 4px rgb(157, 206, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.600, 237.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 206, 229) }
```

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

```
.background{ background-color: rgb(157,  
206, 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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