

Converting Colors

CIELCh(80, 19.230, 230.927)

Have a look what the booklet for
CIELCh(80, 19.230, 230.927)
contains.

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Color

CIELCh(80, 19.286, 232.198)

Conversions

Conversions Part 1

Format	Color
Hex	9BCEE2
RGB	155, 206, 226
RGB Percent	61%, 81%, 89%
CMY	0.3917, 0.1917, 0.1132
CMYK	0.31, 0.09, 0.00, 0.11
HSL	197°, 55%, 75%
HSV	197°, 31%, 89%
XYZ	49.3874, 56.6813, 80.3797
YIQ	193.0310, -36.8160, -4.5920

Conversions

Conversions Part 2

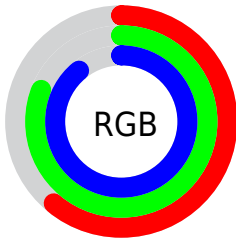
Format	Color
RYB	155, 185, 226
Decimal	10211042
CIELab	80.00, -11.82, -15.24
CIElCh	80, 19.286, 232.198
Yxy	56.6813, 0.2649, 0.3040
Android (android.graphics.Color)	4288401122 (0xFF9BCEE2)
YUV	193.0310, 16.2537, -33.3532
Hunter-Lab	75.2870, -14.6583, -10.5998

Details

The CIELCh color `80, 19.286, 232.198` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `76, 23.517, 47.721`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 14.683, 198.527`, and `60, 19.413, 232.004` is the 20% darker color. If you saturate the color by 10%, you get `77, 24.548, 233.693`, and if you desaturate by 10%, it is `83, 13.540, 231.032`.

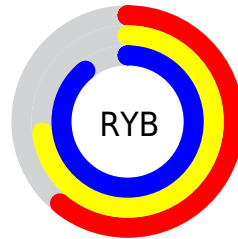
Distribution



Red (61%)

Green (81%)

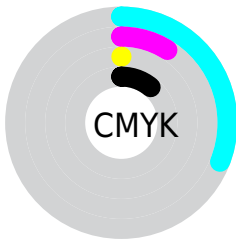
Blue (89%)



Red (61%)

Yellow (73%)

Blue (89%)

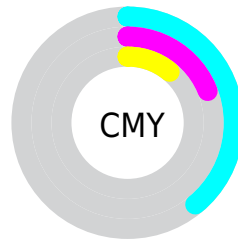


Cyan (31%)

Magenta (9%)

Yellow (0%)

Black (11%)



Cyan (39%)


Magenta (19%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 19.286, 232.198 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, 19.286, 232.198 by changing the saturation by 10% instead.


 80, 19.286,
232.198


 80, 19.286,
232.198


 100, 19.286,
232.198


 70, 19.286,
232.198

 60, 19.286,
232.198

 50, 19.286,
232.198

 40, 19.286,
232.198

 30, 19.286,
232.198

 20, 19.286,
232.198

 10, 19.286,

232.198

0, 19.286, 232.198

80, 19.286,
232.198

80, 19.286,
232.198

77, 24.548,
233.693

83, 13.540,
231.032

74, 29.247,
235.608

86, 7.394, 230.155

72, 33.324,
238.029

89, 0.929, 229.980

93, 5.783, 48.732

69, 36.755,
241.050

95, 8.672, 63.890

67, 39.580,
244.747

97, 10.052, 86.690

98, 12.567,

■ 65, 41.915,
249.144

102.078

■ 63, 43.731,
253.334

■ 99, 14.609,
109.074

Harmonies

Complementary

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



80, 19.286, 232.198



76, 23.517, 47.721

Rectangle

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



80, 19.286, 232.198



80, 19.286, 282.198



80, 19.286, 52.198



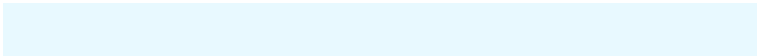
80, 19.286, 102.198

Sweetspot

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



80, 19.286, 232.194



97, 6.470, 229.992



84, 37.570, 150.447



51, 4.481, 230.092



0, 0.000, 0.000



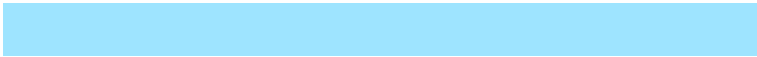
53, 0.007, 296.813

Same Dimension

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



80, 19.286, 232.194



87, 25.132, 233.181



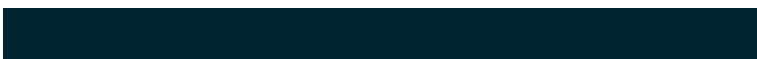
71, 30.031, 282.952



45, 3.677, 230.017



50, 36.011, 252.426



12, 14.011, 243.109

Inverse Universe

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



72, 37.495, 335.795



77, 49.814, 336.348



84, 29.208, 94.528



44, 6.695, 334.158



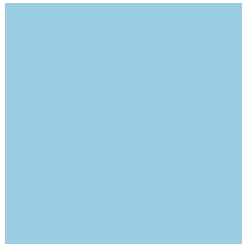
39, 70.766, 343.484



7, 29.727, 340.386

Previews

White Background



This preview shows how the CIE LCh color 80, 19.286, 232.198 looks on a white background.

Color Contrast Check

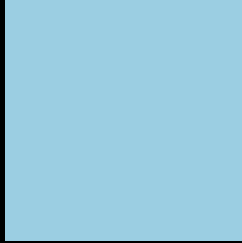
Large Text (above 18pt) WCAG AA × Fail

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, 19.286, 232.198 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, 19.286, 232.198

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.286, 232.198.



This preview shows how white text looks on a background with the CIELCh color 80, 19.286, 232.198.

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, 18.940, 225.252

Trichromacy



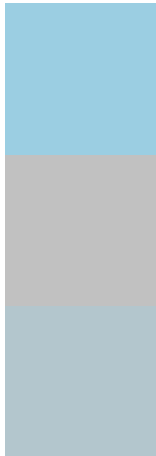
Original Color
80, 19.286, 232.198

Protanomaly
80, 13.226, 261.957

Deuteranomaly
80, 16.470, 276.159

Tritanomaly
80, 19.127, 226.790

Monochromacy



Original Color
80, 19.286, 232.198

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 7.591, 228.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.286, 232.198 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(155, 206, 226)` looks like.

```
.text, #text, p{  
    color:rgb(155, 206, 226)  
}
```

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(155, 206, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 206, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.286, 232.198 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(155, 206, 226) }
```

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

```
.border{ border-color:rgb(155, 206, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 206, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 206, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 206, 226);  
box-shadow:4px 4px 4px 4px rgb(155, 206,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.286, 232.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 206, 226) }
```

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

```
.background{ background-color: rgb(155,  
206, 226) }
```

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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