

Converting Colors

CIELCh(80, 11.768, 190.097)

Have a look what the booklet for
CIELCh(80, 11.768, 190.097)
contains.

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Color

CIELCh(80, 11.746, 190.723)

Conversions

Conversions Part 1

Format	Color
Hex	ACCDCA
RGB	172, 205, 202
RGB Percent	67%, 80%, 79%
CMY	0.3256, 0.1962, 0.2079
CMYK	0.16, 0.00, 0.01, 0.20
HSL	175°, 25%, 74%
HSV	175°, 16%, 80%
XYZ	49.4907, 56.6813, 64.1934
YIQ	194.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

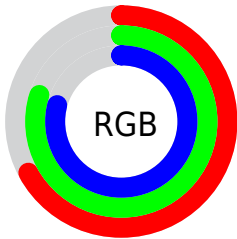
Format	Color
RYB	172, 189, 205
Decimal	11324874
CIELab	80.00, -11.54, -2.19
CIELCh	80, 11.746, 190.723
Yxy	56.6813, 0.2905, 0.3327
Android (android.graphics.Color)	4289514954 (0xFFACCDCA)
YUV	194.7910, 3.5540, -19.9877
Hunter-Lab	75.2870, -14.4133, 2.1473

Details

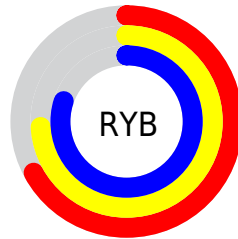
The CIELCh color $80, 11.746, 190.723$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $73, 12.800, 13.251$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 9.184, 198.897$, and $60, 11.927, 190.119$ is the 20% darker color. If you saturate the color by 10%, you get $79, 18.543, 189.938$, and if you desaturate by 10%, it is $81, 4.543, 191.544$.

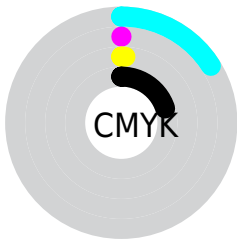
Distribution



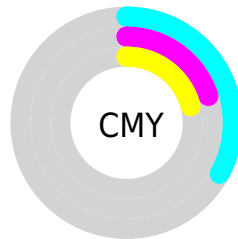
- Red (67%)
- Green (80%)
- Blue (79%)



- Red (67%)
- Yellow (74%)
- Blue (80%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (33%)
- Magenta (20%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 11.746, 190.723 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, 11.746, 190.723 by changing the saturation by 10% instead.


 80, 11.746,
190.723


 80, 11.746,
190.723


 100, 11.746,
190.723


 70, 11.746,
190.723


 60, 11.746,
190.723

 50, 11.746,
190.723

 40, 11.746,
190.723

 30, 11.746,
190.723

 20, 11.746,
190.723

 10, 11.746,

190.723

0, 11.746, 190.723

80, 11.746,
190.723

80, 11.746,
190.723

79, 18.543,
189.938

81, 4.543, 191.544

78, 24.809,
189.159

83, 2.955, 11.987

85, 10.649, 12.864

77, 30.419,
188.368

87, 18.455, 13.622

76, 35.260,
187.554

87, 18.925, 10.889

87, 19.054, 8.005

75, 39.243,
186.704

87, 19.233, 5.168

■ 75, 42.319,
185.802

■ 87, 19.461, 2.393

■ 75, 44.494,
184.830

■ 87, 19.736,
359.690

■ 74, 45.848,
183.773

■ 74, 46.261,
183.352

Harmonies

Complementary

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



80, 11.746, 190.723



73, 12.800, 13.251

Rectangle

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



80, 11.746, 190.723



80, 11.746, 240.723



80, 11.746, 10.723



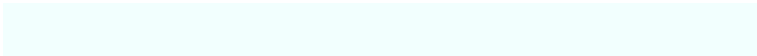
80, 11.746, 60.723

Sweetspot

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



80, 11.747, 190.716



99, 4.454, 191.647



79, 20.834, 140.852



53, 3.035, 191.576



0, 0.000, 0.000



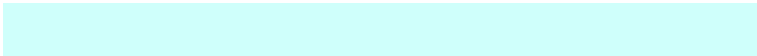
53, 0.007, 296.813

Same Dimension

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



80, 11.747, 190.716



97, 16.424, 190.470



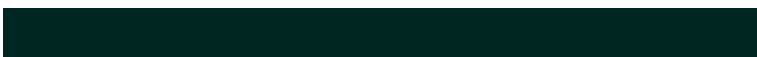
77, 9.765, 245.850



42, 4.183, 191.255



61, 39.444, 183.530



13, 14.395, 186.009

Inverse Universe

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



73, 12.800, 13.251



87, 18.221, 13.590



77, 10.449, 62.228



40, 4.393, 12.579



34, 71.906, 35.932



4, 17.984, 14.929

Previews

White Background



This preview shows how the CIELCh color 80, 11.746, 190.723 looks on a white background.

Color Contrast Check

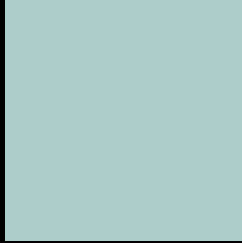
Large Text (above 18pt) WCAG AA × Fail

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, 11.746, 190.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

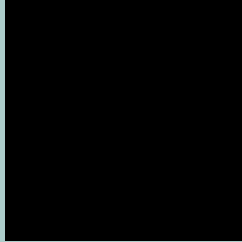
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

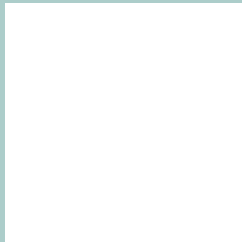
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 11.746, 190.723

Background



This preview shows how black text looks on a background with the CIELCh color 80, 11.746, 190.723.

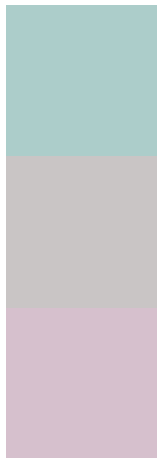


This preview shows how white text looks on a background with the CIELCh color 80, 11.746, 190.723.

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, 11.746, 190.723

Protanopia
80, 1.472, 19.149

Deuteranopia
80, 10.663, 339.810



Tritanopia
80, 12.693, 244.689

Trichromacy



Original Color
80, 11.746, 190.723

Protanomaly
80, 3.665, 190.912

Deuteranomaly
80, 3.817, 301.452

Tritanomaly
80, 11.171, 227.407

Monochromacy



Original Color
80, 11.746, 190.723

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 4.377, 192.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 11.746, 190.723 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(172, 205, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 205, 202)  
}
```

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(172, 205, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 205, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 11.746, 190.723 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(172, 205, 202) }
```

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

```
.border{ border-color:rgb(172, 205, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 205, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 205, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 205, 202);  
box-shadow:4px 4px 4px 4px rgb(172, 205,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 11.746, 190.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 205, 202) }
```

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

```
.background{ background-color: rgb(172,  
205, 202) }
```

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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