

Converting Colors

CIELCh(80, 5.310, 189.299)

Have a look what the booklet for
CIELCh(80, 5.310, 189.299) contains.

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Color

CIELCh(80, 5.075, 193.094)

Conversions

Conversions Part 1

Format	Color
Hex	BBC9C8
RGB	187, 201, 200
RGB Percent	73%, 79%, 78%
CMY	0.2656, 0.2107, 0.2146
CMYK	0.07, 0.00, 0.00, 0.21
HSL	176°, 12%, 76%
HSV	176°, 7%, 79%
XYZ	51.9662, 56.6813, 63.0113
YIQ	196.7000, -8.0230, -3.2790

Conversions

Conversions Part 2

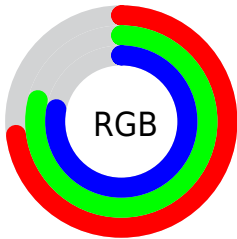
Format	Color
RYB	187, 194, 201
Decimal	12306888
CIELab	80.00, -4.94, -1.15
CIELCh	80, 5.075, 193.094
Yxy	56.6813, 0.3027, 0.3302
Android (android.graphics.Color)	4290496968 (0xFFBBC9C8)
YUV	196.7000, 1.6269, -8.5069
Hunter-Lab	75.2870, -8.5442, 3.0782

Details

The CIELCh color `80, 5.075, 193.094` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77, 5.272, 13.900`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 4.141, 199.303`, and `60, 4.983, 192.494` is the 20% darker color. If you saturate the color by 10%, you get `79, 12.098, 192.303`, and if you desaturate by 10%, it is `82, 2.261, 13.442`.

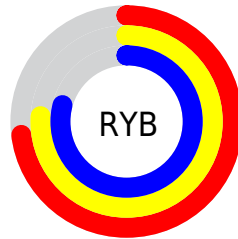
Distribution



Red (73%)

Green (79%)

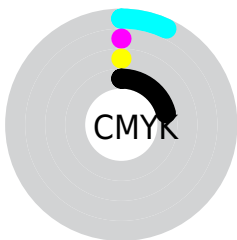
Blue (78%)



Red (73%)

Yellow (76%)

Blue (79%)

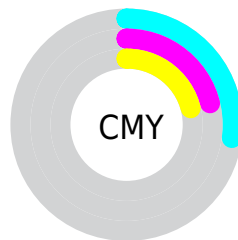


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (21%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 5.075, 193.094 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, 5.075, 193.094 by changing the saturation by 10% instead.

■ 80, 5.075, 193.094

■ 80, 5.075, 193.094

■ 100, 5.075,
193.094

■ 70, 5.075, 193.094

■ 60, 5.075, 193.094

■ 50, 5.075, 193.094

■ 40, 5.075, 193.094

■ 30, 5.075, 193.094

■ 20, 5.075, 193.094

■ 10, 5.075, 193.094

■ 0, 5.075, 193.094

■ 80, 5.075, 193.094

■ 80, 5.075, 193.094

79, 12.098,
192.303

82, 2.261, 13.442

77, 18.693,
191.578

83, 9.814, 14.342

76, 24.738,
190.863

85, 17.498, 15.079

75, 30.115,
190.150

86, 20.387, 11.909

75, 34.714,
189.428

86, 20.464, 9.825

74, 38.454,
188.689

86, 20.570, 7.760

74, 41.293,
187.918

86, 20.703, 5.719

73, 43.245,
187.099

86, 20.864, 3.708

73, 44.407,

Harmonies

Complementary

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



80, 5.075, 193.094



77, 5.272, 13.900

Rectangle

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



80, 5.075, 193.094



80, 5.075, 243.094



80, 5.075, 13.094



80, 5.075, 63.094

Sweetspot

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



80, 5.076, 193.076



100, 1.782, 193.686



80, 8.873, 141.849



53, 1.013, 193.712



0, 0.000, 0.000



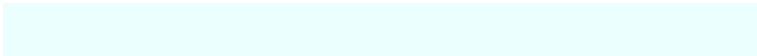
53, 0.007, 296.813

Same Dimension

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



80, 5.076, 193.076



99, 7.056, 192.979



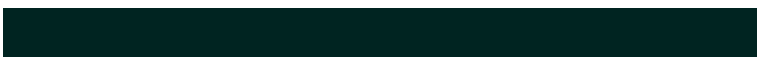
78, 4.244, 246.781



41, 4.077, 192.877



60, 38.204, 186.097



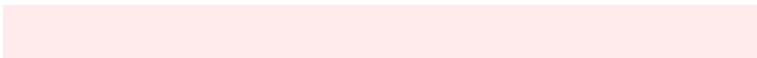
12, 13.606, 188.254

Inverse Universe

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



77, 5.272, 13.900



95, 7.374, 14.010



79, 4.347, 65.065



39, 4.291, 14.129



34, 71.830, 36.799



3, 15.932, 15.693

Previews

White Background



This preview shows how the CIELCh color 80, 5.075, 193.094 looks on a white background.

Color Contrast Check

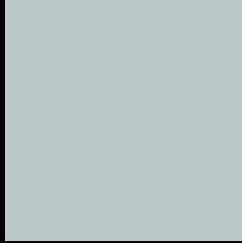
Large Text (above 18pt) WCAG AA × Fail

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, 5.075, 193.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

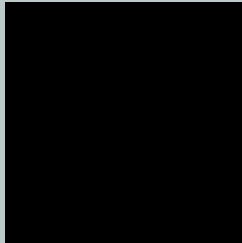
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

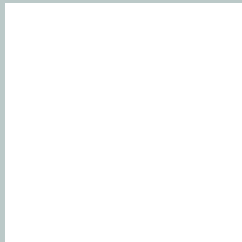
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 5.075, 193.094

Background



This preview shows how black text looks on a background with the CIELCh color 80, 5.075, 193.094.



This preview shows how white text looks on a background with the CIELCh color 80, 5.075, 193.094.

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](#).

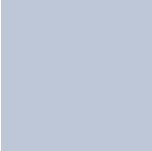
Dichromacy



Original Color
80, 5.075, 193.094

Protanopia
80, 1.922, 3.204

Deuteranopia
80, 10.039, 348.231



Tritanopia
80, 9.023, 270.527

Trichromacy



Original Color
80, 5.075, 193.094

Protanomaly
80, 0.728, 200.105

Deuteranomaly
80, 4.892, 338.917

Tritanomaly
80, 6.526, 254.132

Monochromacy



Original Color
80, 5.075, 193.094

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.252, 185.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 5.075, 193.094 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(187, 201, 200)` looks like.

```
.text, #text, p{  
    color:rgb(187, 201, 200)  
}
```

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(187, 201, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 201, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 5.075, 193.094 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(187, 201, 200) }
```

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

```
.border{ border-color:rgb(187, 201, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 201, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 201, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 201, 200); box-shadow:4px 4px 4px 4px rgb(187, 201, 200) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 5.075, 193.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 201, 200) }
```

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

```
.background{ background-color: rgb(187,  
201, 200) }
```

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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