

Converting Colors

CIELCh(80, 16.604, 203.711)

Have a look what the booklet for
CIELCh(80, 16.604, 203.711)
contains.

CIELCh(80, 16.580, 203.816)	3
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Color

CIELCh(80, 16.580, 203.816)

Conversions

Conversions Part 1

Format	Color
Hex	9ECFD2
RGB	158, 207, 210
RGB Percent	62%, 81%, 82%
CMY	0.3796, 0.1874, 0.1756
CMYK	0.25, 0.01, 0.00, 0.18
HSL	183°, 37%, 72%
HSV	183°, 25%, 82%
XYZ	48.1639, 56.6813, 69.5124
YIQ	192.6910, -30.1670, -9.4550

Conversions

Conversions Part 2

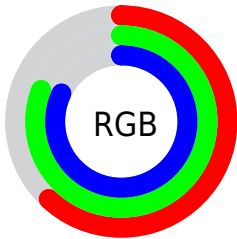
Format	Color
RYB	158, 183, 210
Decimal	10407890
CIELab	80.00, -15.17, -6.70
CIELCh	80, 16.580, 203.816
Yxy	56.6813, 0.2762, 0.3251
Android (android.graphics.Color)	4288597970 (0xFF9ECFD2)
YUV	192.6910, 8.5333, -30.4240
Hunter-Lab	75.2870, -17.5590, -2.0415

Details

The CIELCh color **80, 16.580, 203.816** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 19.655, 25.846**, 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, 16.693, 203.813** is the 20% darker color. If you saturate the color by 10%, you get **79, 22.380, 203.652**, and if you desaturate by 10%, it is **82, 10.205, 204.072**.

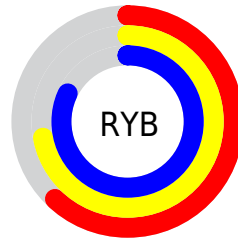
Distribution



Red (62%)

Green (81%)

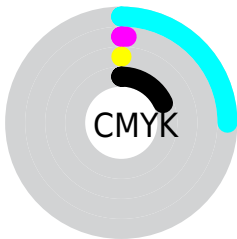
Blue (82%)



Red (62%)

Yellow (72%)

Blue (82%)

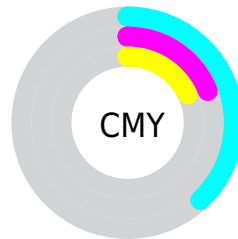


Cyan (25%)

Magenta (1%)

Yellow (0%)

Black (18%)



Cyan (38%)


Magenta (19%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 16.580, 203.816 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, 16.580, 203.816 by changing the saturation by 10% instead.


 80, 16.580,
203.816


 80, 16.580,
203.816


 100, 16.580,
203.816


 70, 16.580,
203.816


 60, 16.580,
203.816

 50, 16.580,
203.816

 40, 16.580,
203.816

 30, 16.580,
203.816

 20, 16.580,
203.816

 10, 16.580,

203.816

0, 16.580, 203.816

80, 16.580,
203.816

80, 16.580,
203.816

79, 22.380,
203.652

82, 10.205,
204.072

77, 27.486,
203.604

83, 3.369, 204.497

85, 3.821, 24.543

76, 31.792,
203.686

87, 11.271, 25.054

75, 35.214,
203.917

89, 15.714, 26.265

74, 37.705,
204.316

89, 15.347, 28.702

89, 15.010, 31.254

■ 74, 39.273,
204.901

■ 90, 14.705, 33.917

■ 73, 39.991,
205.684

■ 90, 14.433, 36.686

■ 73, 40.154,
206.151

Harmonies

Complementary

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



80, 16.580, 203.816



71, 19.655, 25.846

Rectangle

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



80, 16.580, 203.816



80, 16.580, 253.816



80, 16.580, 23.816



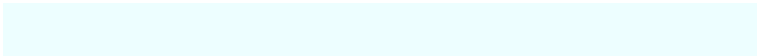
80, 16.580, 73.816

Sweetspot

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



80, 16.580, 203.811



98, 5.788, 204.363



80, 32.678, 144.134



52, 3.755, 204.334



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, 16.580, 203.811



94, 23.025, 203.709



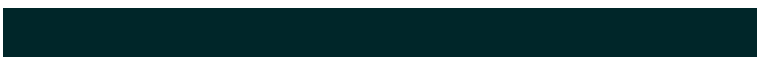
73, 17.162, 264.404



43, 3.970, 204.260



59, 34.062, 205.988



13, 13.196, 203.999

Inverse Universe

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



71, 32.532, 327.413



82, 46.073, 327.728



77, 17.976, 77.446



41, 7.397, 326.531



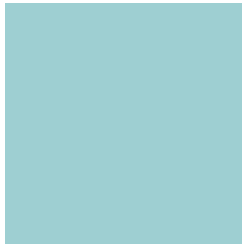
39, 80.944, 330.648



6, 29.778, 329.763

Previews

White Background



This preview shows how the CIE LCh color 80, 16.580, 203.816 looks on a white background.

Color Contrast Check

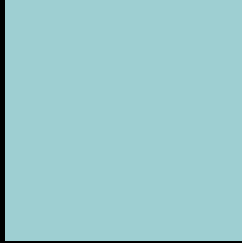
Large Text (above 18pt) WCAG AA × Fail

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, 16.580, 203.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

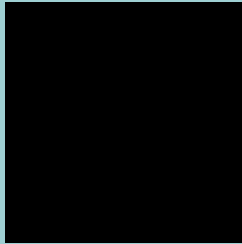
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

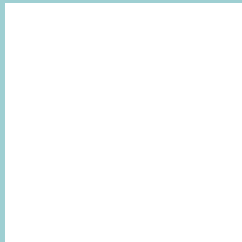
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 16.580, 203.816

Background



This preview shows how black text looks on a background with the CIELCh color 80, 16.580, 203.816.

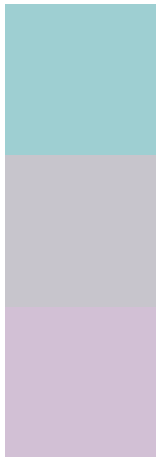


This preview shows how white text looks on a background with the CIELCh color 80, 16.580, 203.816.

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, 16.580, 203.816

Protanopia
80, 3.817, 301.452

Deuteranopia
80, 13.001, 320.931



Tritanopia
80, 16.835, 231.289

Trichromacy



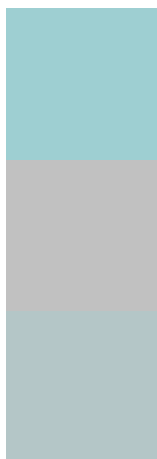
Original Color
80, 16.580, 203.816

Protanomaly
80, 6.528, 223.221

Deuteranomaly
80, 7.815, 272.454

Tritanomaly
80, 16.378, 221.538

Monochromacy



Original Color
80, 16.580, 203.816

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 6.446, 203.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 16.580, 203.816 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, 207, 210)` looks like.

```
.text, #text, p{  
    color:rgb(158, 207, 210)  
}
```

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, 207, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 207, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 16.580, 203.816 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, 207, 210) }
```

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

```
.border{ border-color:rgb(158, 207, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 207, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 207, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 207, 210);  
box-shadow:4px 4px 4px 4px rgb(158, 207,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 16.580, 203.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 207, 210) }
```

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

```
.background{ background-color: rgb(158,  
207, 210) }
```

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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