

Converting Colors

CIELCh(80, 13.403, 168.097)

Have a look what the booklet for
CIELCh(80, 13.403, 168.097)
contains.

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Color

CIELCh(80, 12.944, 168.861)

Conversions

Conversions Part 1

Format	Color
Hex	AECDC1
RGB	174, 205, 193
RGB Percent	68%, 80%, 76%
CMY	0.3166, 0.1950, 0.2421
CMYK	0.15, 0.00, 0.06, 0.20
HSL	157°, 24%, 74%
HSV	157°, 15%, 80%
XYZ	49.0641, 56.6813, 58.9611
YIQ	194.3630, -14.6240, -10.3040

Conversions

Conversions Part 2

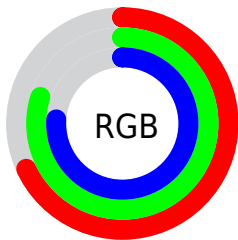
Format	Color
RYB	174, 193, 205
Decimal	11455937
CIELab	80.00, -12.70, 2.50
CIElCh	80, 12.944, 168.861
Yxy	56.6813, 0.2979, 0.3441
Android (android.graphics.Color)	4289646017 (0xFFFAE CDC1)
YUV	194.3630, -0.6720, -17.8584
Hunter-Lab	75.2870, -15.4249, 6.2678

Details

The CIELCh color $80, 12.944, 168.861$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $74, 13.354, 351.605$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 9.189, 179.412$, and $60, 13.030, 169.707$ is the 20% darker color. If you saturate the color by 10%, you get $79, 21.346, 167.820$, and if you desaturate by 10%, it is $82, 4.389, 169.862$.

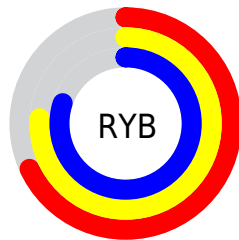
Distribution



Red (68%)

Green (80%)

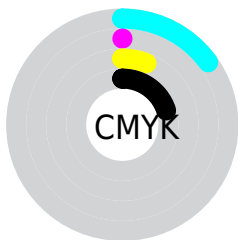
Blue (76%)



Red (68%)

Yellow (76%)

Blue (80%)

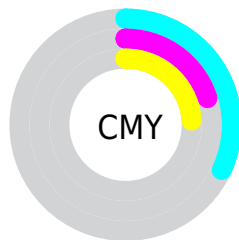


Cyan (15%)

Magenta (0%)

Yellow (6%)

Black (20%)



Cyan (32%)


Magenta (20%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 12.944, 168.861 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, 12.944, 168.861 by changing the saturation by 10% instead.


 80, 12.944,
168.861


 80, 12.944,
168.861


 100, 12.944,
168.861


 70, 12.944,
168.861


 60, 12.944,
168.861

 50, 12.944,
168.861

 40, 12.944,
168.861

 30, 12.944,
168.861

 20, 12.944,
168.861

 10, 12.944,

168.861

■ 0, 12.944, 168.861

■ 80, 12.944,
168.861

■ 80, 12.944,
168.861

■ 79, 21.346,
167.820

■ 82, 4.389, 169.862

■ 77, 29.465,
166.687

■ 83, 4.217, 350.515

■ 76, 37.160,
165.430

■ 85, 12.787,
351.391

■ 75, 44.288,
164.026

■ 87, 20.816,
351.431

■ 74, 50.719,
162.448

■ 87, 22.976,
342.279

■ 88, 25.645,
334.931

■ 74, 56.355,
160.674

■ 88, 28.677,
329.123

■ 73, 61.157,
158.689

■ 88, 31.183,
325.510

■ 73, 65.162,
156.501

■ 73, 66.948,
155.416

Harmonies

Complementary

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



80, 12.944, 168.861



74, 13.354, 351.605

Rectangle

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



80, 12.944, 168.861



80, 12.944, 218.861



80, 12.944, 348.861



80, 12.944, 38.861

Sweetspot

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



80, 12.946, 168.857



99, 5.124, 169.867



80, 17.890, 131.840



53, 3.496, 169.790



0, 0.000, 0.000



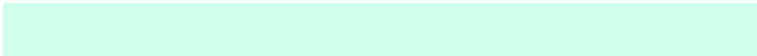
53, 0.007, 296.813

Same Dimension

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



80, 12.946, 168.857



96, 18.359, 168.542



79, 9.865, 208.439



42, 4.848, 169.423



60, 56.714, 155.796



12, 19.163, 161.476

Inverse Universe

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



74, 13.354, 351.605



88, 19.061, 351.941



75, 10.905, 29.007



40, 4.945, 351.013



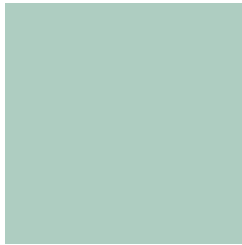
35, 61.523, 12.435



4, 19.006, 0.261

Previews

White Background



This preview shows how the CIELCh color 80, 12.944, 168.861 looks on a white background.

Color Contrast Check

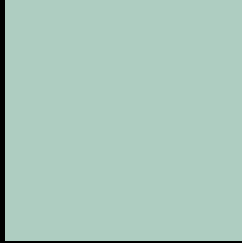
Large Text (above 18pt) WCAG AA × Fail

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, 12.944, 168.861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

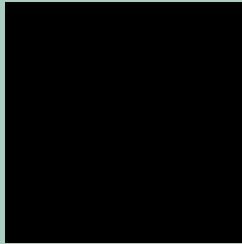
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

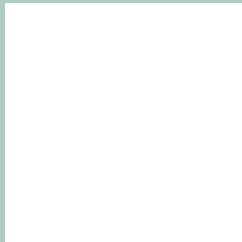
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 12.944, 168.861

Background



This preview shows how black text looks on a background with the CIELCh color 80, 12.944, 168.861.

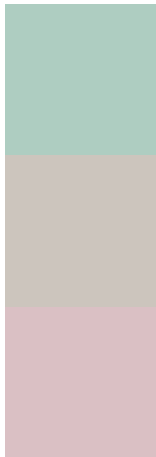


This preview shows how white text looks on a background with the CIELCh color 80, 12.944, 168.861.

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, 12.944, 168.861

Protanopia
80, 4.974, 77.961

Deuteranopia
80, 9.954, 7.879



Tritanopia
80, 11.438, 247.392

Trichromacy



Original Color
80, 12.944, 168.861

Protanomaly
80, 5.458, 137.984

Deuteranomaly
80, 2.119, 49.341

Tritanomaly
80, 9.529, 218.502

Monochromacy



Original Color
80, 12.944, 168.861

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 5.153, 167.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 12.944, 168.861 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(174, 205, 193)` looks like.

```
.text, #text, p{  
    color:rgb(174, 205, 193)  
}
```

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(174, 205, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 205, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 12.944, 168.861 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(174, 205, 193) }
```

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

```
.border{ border-color:rgb(174, 205, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 205, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 205, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 205, 193);  
box-shadow:4px 4px 4px 4px rgb(174, 205,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 12.944, 168.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 205, 193) }
```

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

```
.background{ background-color: rgb(174,  
205, 193) }
```

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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