

Converting Colors

CIELCh(80, 12.356, 170.195)

Have a look what the booklet for
CIELCh(80, 12.356, 170.195)
contains.

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Color

CIELCh(80, 12.356, 170.195)

Conversions

Conversions Part 1

Format	Color
Hex	AFCDC2
RGB	175, 205, 194
RGB Percent	69%, 80%, 76%
CMY	0.3137, 0.1960, 0.2392
CMYK	0.15, 0.00, 0.05, 0.20
HSL	158°, 23%, 75%
HSV	158°, 15%, 80%
XYZ	49.2568, 56.6813, 59.3923
YIQ	194.7760, -14.3490, -9.7810

Conversions

Conversions Part 2

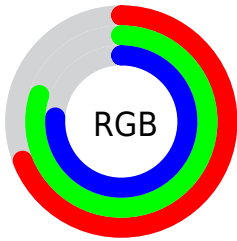
Format	Color
RYB	175, 193, 205
Decimal	11521474
CIELab	80.00, -12.18, 2.10
CIELCh	80, 12.356, 170.195
Yxy	56.6813, 0.2979, 0.3428
Android (android.graphics.Color)	4289711554 (0xFFAFCDC2)
YUV	194.7760, -0.3826, -17.3436
Hunter-Lab	75.2870, -14.9678, 5.9282

Details

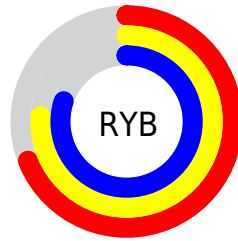
The CIELCh color $80, 12.356, 170.195$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $74, 12.768, 352.868$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 8.688, 181.836$, and $60, 12.714, 168.976$ is the 20% darker color. If you saturate the color by 10%, you get $79, 20.624, 169.153$, and if you desaturate by 10%, it is $82, 3.927, 171.211$.

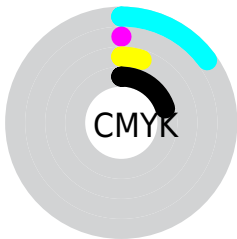
Distribution



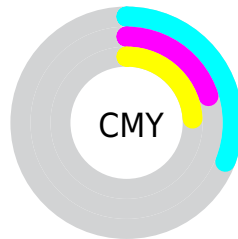
- Red (69%)
- Green (80%)
- Blue (76%)



- Red (69%)
- Yellow (76%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (31%)
- Magenta (20%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 12.356, 170.195 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, 12.356, 170.195 by changing the saturation by 10% instead.


 80, 12.356,
170.195


 80, 12.356,
170.195


 100, 12.356,
170.195


 70, 12.356,
170.195


 60, 12.356,
170.195

 50, 12.356,
170.195

 40, 12.356,
170.195

 30, 12.356,
170.195

 20, 12.356,
170.195

 10, 12.356,

170.195

■ 0, 12.356, 170.195

■ 80, 12.356,
170.195

■ 80, 12.356,
170.195

■ 79, 20.624,
169.153

■ 82, 3.927, 171.211

■ 77, 28.601,
168.024

■ 83, 4.563, 351.862

■ 85, 13.026,
352.740

■ 76, 36.149,
166.778

■ 87, 20.738,
352.479

■ 75, 43.129,
165.388

■ 87, 22.706,
343.632

■ 74, 49.409,
163.830

■ 88, 25.152,
336.408

■ 74, 54.896,
162.080

■ 88, 27.946,
330.609

■ 73, 59.549,
160.123

■ 88, 30.992,
325.970

■ 73, 63.405,
157.961

■ 88, 31.342,
325.515

■ 73, 65.267,
156.777

Harmonies

Complementary

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



80, 12.356, 170.195



74, 12.768, 352.868

Rectangle

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



80, 12.356, 170.195



80, 12.356, 220.195



80, 12.356, 350.195



80, 12.356, 40.195

Sweetspot

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



80, 12.358, 170.191



99, 4.046, 171.280



80, 17.389, 132.416



53, 2.875, 171.190



0, 0.000, 0.000



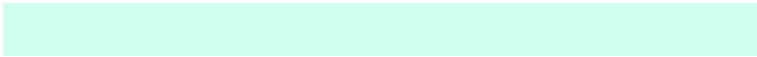
53, 0.007, 296.813

Same Dimension

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



80, 12.358, 170.191



97, 18.098, 169.826



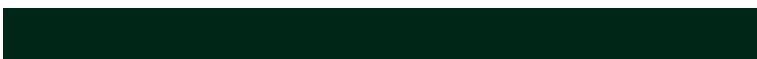
79, 9.430, 210.255



42, 4.783, 170.713



60, 55.357, 157.151



12, 18.778, 162.766

Inverse Universe

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



74, 12.768, 352.868



88, 18.851, 353.260



75, 10.388, 30.581



40, 4.886, 352.318



35, 61.817, 14.392



4, 18.882, 1.400

Previews

White Background



This preview shows how the CIELCh color 80, 12.356, 170.195 looks on a white background.

Color Contrast Check

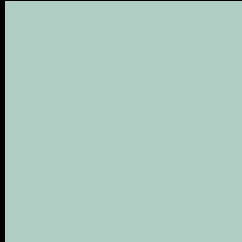
Large Text (above 18pt) WCAG AA × Fail

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, 12.356, 170.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

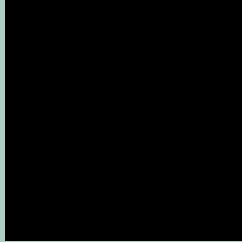
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

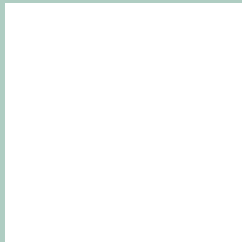
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 12.356, 170.195

Background



This preview shows how black text looks on a background with the CIELCh color 80, 12.356, 170.195.

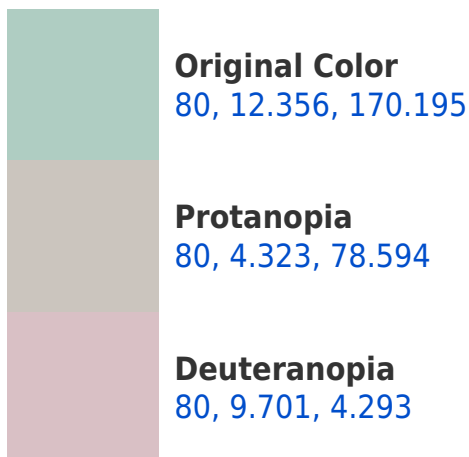


This preview shows how white text looks on a background with the CIELCh color 80, 12.356, 170.195.

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, 11.616, 250.543

Trichromacy



Original Color
80, 12.356, 170.195

Protanomaly
80, 5.458, 137.984

Deuteranomaly
80, 1.912, 35.380

Tritanomaly
80, 9.080, 223.240

Monochromacy



Original Color
80, 12.356, 170.195

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 4.563, 171.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 12.356, 170.195 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(175, 205, 194)` looks like.

```
.text, #text, p{  
    color:rgb(175, 205, 194)  
}
```

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(175, 205, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 205, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 12.356, 170.195 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(175, 205, 194) }
```

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

```
.border{ border-color:rgb(175, 205, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 205, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 205, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 205, 194);  
box-shadow:4px 4px 4px 4px rgb(175, 205,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 12.356, 170.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 205, 194) }
```

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

```
.background{ background-color: rgb(175,  
205, 194) }
```

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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