

Converting Colors

CIELCh(86, 16.578, 196.140)

Have a look what the booklet for
CIELCh(86, 16.578, 196.140)
contains.

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Color

CIELCh(86, 16.576, 196.466)

Conversions

Conversions Part 1

Format	Color
Hex	AFE0DF
RGB	175, 224, 223
RGB Percent	69%, 88%, 87%
CMY	0.3124, 0.1202, 0.1242
CMYK	0.22, 0.00, 0.00, 0.12
HSL	179°, 44%, 78%
HSV	179°, 22%, 88%
XYZ	57.8609, 67.9871, 80.1195
YIQ	209.2350, -28.8830, -10.6990

Conversions

Conversions Part 2

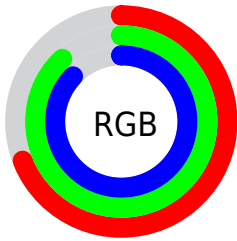
Format	Color
R_{YB}	175, 200, 224
Decimal	11526367
CIE _{Lab}	86.00, -15.90, -4.70
CIE _{LCh}	86, 16.576, 196.466
Yxy	67.9871, 0.2809, 0.3301
Android (android.graphics.Color)	4289716447 (0xFFAFE0DF)
YUV	209.2350, 6.7861, -30.0241
Hunter-Lab	82.4543, -19.0357, 0.1069

Details

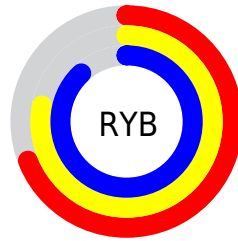
The CIELCh color **86, 16.576, 196.466** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **76, 19.060, 19.420**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.189, 198.968**, and **66, 16.768, 196.097** is the 20% darker color. If you saturate the color by 10%, you get **85, 23.317, 195.918**, and if you desaturate by 10%, it is **87, 9.253, 197.056**.

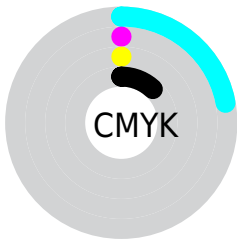
Distribution



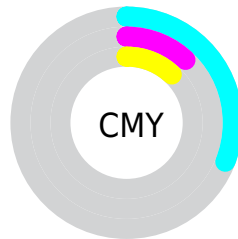
- Red (69%)
- Green (88%)
- Blue (87%)



- Red (69%)
- Yellow (78%)
- Blue (88%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)




- Cyan (31%)
- Magenta (12%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 16.576, 196.466 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 86, 16.576, 196.466 by changing the saturation by 10% instead.

 86, 16.576,
196.466


 86, 16.576,
196.466


 100, 16.576,
196.466


 76, 16.576,
196.466


 66, 16.576,
196.466

 56, 16.576,
196.466

 46, 16.576,
196.466

 36, 16.576,
196.466

 26, 16.576,
196.466

 16, 16.576,

196.466

■ 6, 16.576, 196.466

■ 0, 16.576, 196.466

■ 86, 16.576,
196.466

■ 86, 16.576,
196.466

■ 85, 23.317,
195.918

■ 87, 9.253, 197.056

■ 84, 29.343,
195.419

■ 89, 1.475, 197.993

■ 91, 6.638, 18.116

■ 83, 34.533,
194.962

■ 92, 11.217, 17.961

■ 82, 38.789,
194.548

■ 92, 11.221, 16.757

■ 92, 11.229, 15.554

■ 82, 42.052,

194.171

92, 11.242, 14.354

81, 44.319,
193.827

92, 11.261, 13.156

81, 45.651,
193.505

92, 11.284, 11.964

81, 46.215,
193.251

Harmonies

Complementary

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



86, 16.576, 196.466



76, 19.060, 19.420

Rectangle

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



86, 16.576, 196.466



86, 16.576, 246.466



86, 16.576, 16.466



86, 16.576, 66.466

Sweetspot

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



86, 16.577, 196.461



99, 6.137, 197.381



85, 31.134, 142.192



53, 3.982, 197.337



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 16.577, 196.461



96, 21.571, 196.220



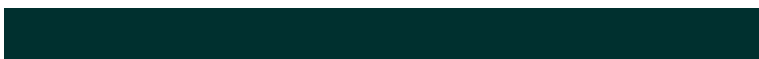
80, 14.788, 254.842



46, 4.463, 197.213



65, 38.533, 193.301



17, 15.786, 193.796

Inverse Universe

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



76, 19.060, 19.420



83, 25.574, 19.899



82, 15.873, 69.119



44, 4.727, 18.275



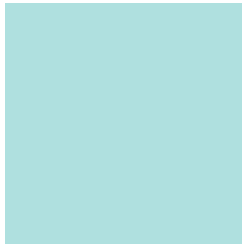
36, 78.214, 39.112



6, 25.491, 20.080

Previews

White Background



This preview shows how the CIELCh color 86, 16.576, 196.466 looks on a white background.

Color Contrast Check

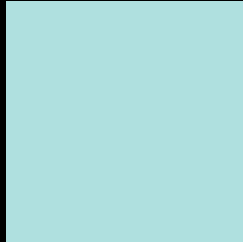
Large Text (above 18pt) WCAG AA × Fail

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 86, 16.576, 196.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

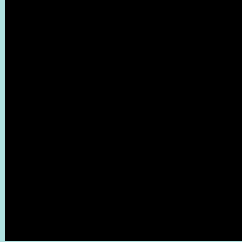
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

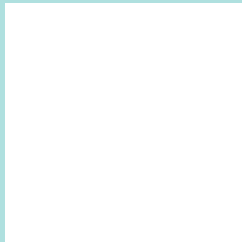
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 16.576, 196.466

Background



This preview shows how black text looks on a background with the CIELCh color 86, 16.576, 196.466.

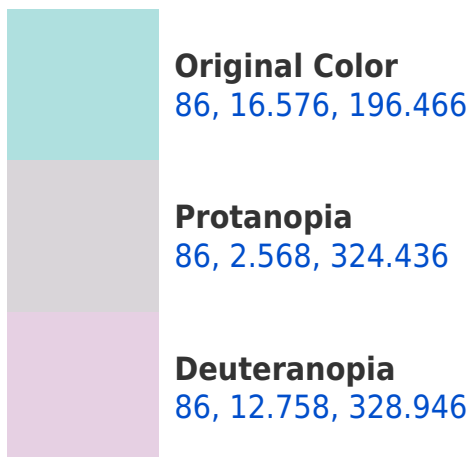


This preview shows how white text looks on a background with the CIELCh color 86, 16.576, 196.466.

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



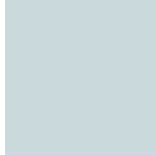


Tritanopia
86, 16.685, 233.295

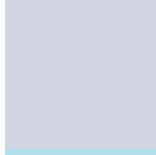
Trichromacy



Original Color
86, 16.576, 196.466



Protanomaly
86, 5.373, 210.438



Deuteranomaly
86, 6.436, 278.128

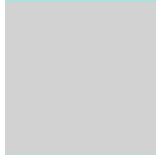


Tritanomaly
86, 15.815, 220.017

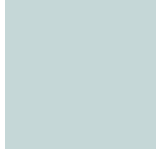
Monochromacy



Original Color
86, 16.576, 196.466



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 6.360, 199.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 16.576, 196.466 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, 224, 223)` looks like.

```
.text, #text, p{  
    color:rgb(175, 224, 223)  
}
```

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, 224, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 224, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 16.576, 196.466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

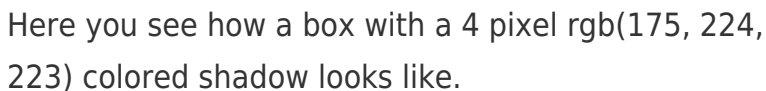
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 224, 223) }
```

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

```
.border{ border-color:rgb(175, 224, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 224, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 224, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 224, 223);  
box-shadow:4px 4px 4px 4px rgb(175, 224,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 16.576, 196.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 224, 223) }
```

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

```
.background{ background-color: rgb(175,  
224, 223) }
```

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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