

Converting Colors

CIELCh(87, 15.648, 182.609)

Have a look what the booklet for
CIELCh(87, 15.648, 182.609)
contains.

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Color

CIELCh(87, 15.824, 182.945)

Conversions

Conversions Part 1

Format	Color
Hex	B7E3DB
RGB	183, 227, 219
RGB Percent	72%, 89%, 86%
CMY	0.2829, 0.1104, 0.1418
CMYK	0.19, 0.00, 0.04, 0.11
HSL	169°, 44%, 80%
HSV	169°, 19%, 89%
XYZ	59.6835, 70.0064, 77.2767
YIQ	212.9320, -23.6560, -11.8160

Conversions

Conversions Part 2

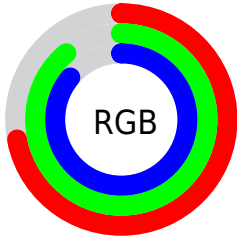
Format	Color
RYB	183, 207, 227
Decimal	12051419
CIELab	87.00, -15.80, -0.81
CIELCh	87, 15.824, 182.945
Yxy	70.0064, 0.2884, 0.3382
Android (android.graphics.Color)	4290241499 (0xFFB7E3DB)
YUV	212.9320, 2.9915, -26.2504
Hunter-Lab	83.6698, -19.0943, 3.8091

Details

The CIELCh color **87, 15.824, 182.945** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 17.191, 6.573**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 5.163, 199.206**, and **67, 16.148, 182.110** is the 20% darker color. If you saturate the color by 10%, you get **86, 23.452, 181.968**, and if you desaturate by 10%, it is **89, 7.794, 183.891**.

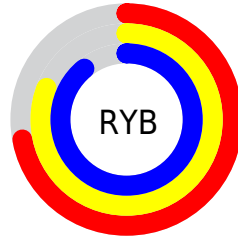
Distribution



Red (72%)

Green (89%)

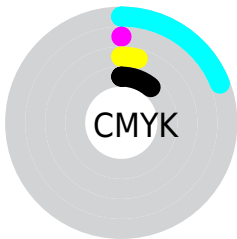
Blue (86%)



Red (72%)

Yellow (81%)

Blue (89%)

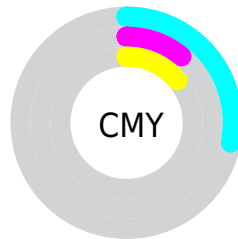


Cyan (19%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (28%)


Magenta (11%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 15.824, 182.945 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 87, 15.824, 182.945 by changing the saturation by 10% instead.


 87, 15.824,
182.945


 87, 15.824,
182.945


 100, 15.824,
182.945


 77, 15.824,
182.945

 67, 15.824,
182.945

 57, 15.824,
182.945

 47, 15.824,
182.945

 37, 15.824,
182.945

 27, 15.824,
182.945

 17, 15.824,

182.945

■ 7, 15.824, 182.945

■ 0, 15.824, 182.945

■ 87, 15.824,
182.945

■ 87, 15.824,
182.945

■ 86, 23.452,
181.968

■ 89, 7.794, 183.891

■ 84, 30.535,
180.942

■ 90, 0.512, 3.588

■ 83, 36.933,
179.845

■ 92, 8.984, 5.474

■ 83, 42.516,
178.657

■ 93, 11.048,
356.848

■ 82, 47.187,

■ 93, 12.009,
347.468

177.354

93, 13.250,
339.686

81, 50.898,
175.913

93, 14.699,
333.366

81, 53.670,
174.314

93, 16.301,
328.265

81, 55.671,
172.573

93, 17.602,
325.035

81, 55.784,
172.468

Harmonies

Complementary

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



87, 15.824, 182.945



78, 17.191, 6.573

Rectangle

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



87, 15.824, 182.945



87, 15.824, 232.945



87, 15.824, 2.945



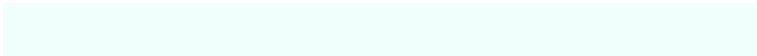
87, 15.824, 52.945

Sweetspot

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



87, 15.825, 182.940



99, 5.497, 184.229



87, 26.569, 138.335



53, 3.643, 184.160



0, 0.000, 0.000



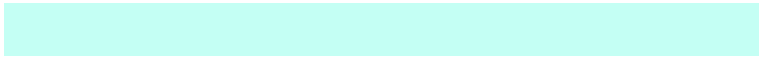
53, 0.007, 296.813

Same Dimension

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



87, 15.825, 182.940



96, 20.476, 182.580



84, 12.375, 235.478



46, 4.669, 183.887



64, 45.959, 172.791



17, 18.197, 176.027

Inverse Universe

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



78, 17.191, 6.573



85, 22.631, 7.041



82, 13.781, 52.231



44, 4.857, 5.452



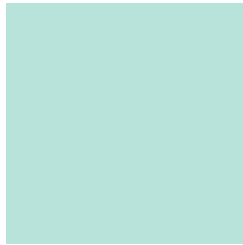
37, 71.064, 30.576



6, 25.283, 13.244

Previews

White Background



This preview shows how the CIELCh color 87, 15.824, 182.945 looks on a white background.

Color Contrast Check

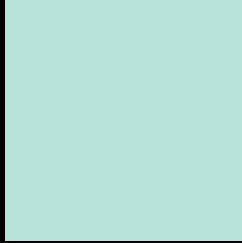
Large Text (above 18pt) WCAG AA × Fail

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 87, 15.824, 182.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

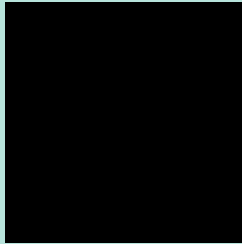
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

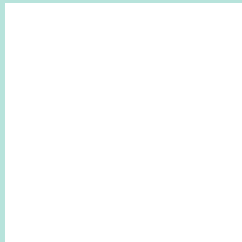
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 15.824, 182.945

Background



This preview shows how black text looks on a background with the CIELCh color 87, 15.824, 182.945.

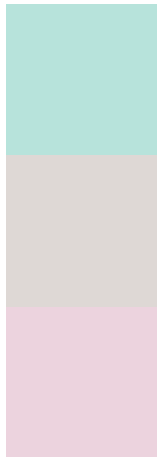


This preview shows how white text looks on a background with the CIELCh color 87, 15.824, 182.945.

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

87, 15.824, 182.945

Protanopia

87, 2.671, 55.179

Deuteranopia

87, 10.756, 347.917

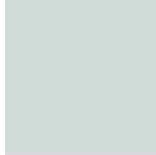


Tritanopia
87, 14.949, 238.074

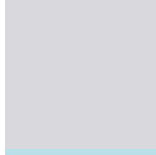
Trichromacy



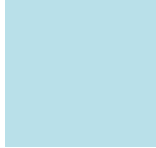
Original Color
87, 15.824, 182.945



Protanomaly
87, 5.057, 168.016



Deuteranomaly
87, 2.103, 290.386

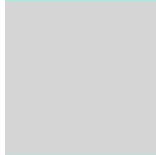


Tritanomaly
87, 13.778, 218.715

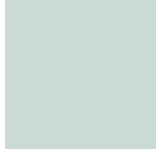
Monochromacy



Original Color
87, 15.824, 182.945



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 5.926, 183.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 15.824, 182.945 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(183, 227, 219)` looks like.

```
.text, #text, p{  
    color:rgb(183, 227, 219)  
}
```

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(183, 227, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 227, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 15.824, 182.945 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(183, 227, 219) }
```

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

```
.border{ border-color:rgb(183, 227, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 227, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(183, 227,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 15.824, 182.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 227, 219) }
```

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

```
.background{ background-color: rgb(183,  
227, 219) }
```

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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