

Converting Colors

CIELCh(87, 14.183, 198.468)

Have a look what the booklet for
CIELCh(87, 14.183, 198.468)
contains.

CIELCh(87, 14.286, 198.465)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 14.286, 198.465)

Conversions

Conversions Part 1

Format	Color
Hex	B8E2E2
RGB	184, 226, 226
RGB Percent	72%, 89%, 89%
CMY	0.2788, 0.1141, 0.1141
CMYK	0.19, 0.00, 0.00, 0.11
HSL	180°, 42%, 80%
HSV	180°, 19%, 89%
XYZ	60.6304, 70.0064, 82.2012
YIQ	213.4420, -25.0320, -8.9040

Conversions

Conversions Part 2

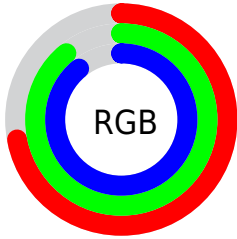
Format	Color
RYB	184, 205, 226
Decimal	12116706
CIELab	87.00, -13.55, -4.52
CIELCh	87, 14.286, 198.465
Yxy	70.0064, 0.2849, 0.3289
Android (android.graphics.Color)	4290306786 (0xFFB8E2E2)
YUV	213.4420, 6.1911, -25.8206
Hunter-Lab	83.6698, -17.0741, 0.3196

Details

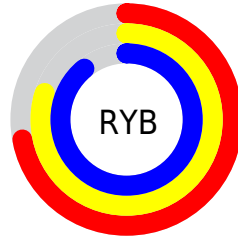
The CIELCh color **87, 14.286, 198.465** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 16.139, 20.701**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 4.823, 199.237**, and **67, 14.452, 198.219** is the 20% darker color. If you saturate the color by 10%, you get **86, 21.220, 197.978**, and if you desaturate by 10%, it is **88, 6.791, 199.018**.

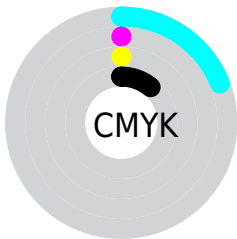
Distribution



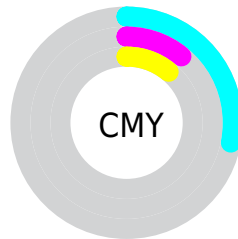
- Red (72%)
- Green (89%)
- Blue (89%)



- Red (72%)
- Yellow (80%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (28%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 14.286, 198.465 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, 14.286, 198.465 by changing the saturation by 10% instead.

 87, 14.286,
198.465

 87, 14.286,
198.465

 100, 14.286,
198.465

 77, 14.286,
198.465


 67, 14.286,
198.465

 57, 14.286,
198.465

 47, 14.286,
198.465

 37, 14.286,
198.465

 27, 14.286,
198.465

 17, 14.286,

198.465

■ 7, 14.286, 198.465

■ 0, 14.286, 198.465

■ 87, 14.286,
198.465

■ 87, 14.286,
198.465

■ 86, 21.220,
197.978

■ 88, 6.791, 199.018

■ 85, 27.461,
197.558

■ 90, 1.140, 18.950

■ 92, 9.390, 19.997

■ 84, 32.883,
197.201

■ 92, 10.622, 20.088

■ 83, 37.383,
196.909


■ 92, 10.622, 20.084

■ 92, 10.622, 20.080

■ 82, 40.893,

196.684


 92, 10.622, 20.076


 82, 43.394,
196.525

 92, 10.622, 20.072

 82, 44.931,
196.428

 92, 10.622, 20.068

 82, 45.657,
196.381

 82, 45.733,
196.376

Harmonies

Complementary

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



87, 14.286, 198.465



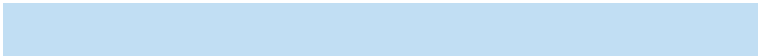
78, 16.139, 20.701

Rectangle

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



87, 14.286, 198.465



87, 14.286, 248.465



87, 14.286, 18.465



87, 14.286, 68.465

Sweetspot

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



87, 14.287, 198.459



99, 5.264, 199.192



86, 26.775, 142.849



53, 3.486, 199.144



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, 14.287, 198.459



96, 18.436, 198.281



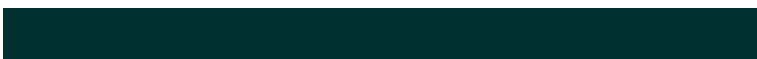
82, 12.866, 256.219



46, 4.454, 198.965



65, 37.941, 196.377



17, 15.585, 196.378

Inverse Universe

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



78, 16.139, 20.701



85, 21.363, 21.044



83, 13.579, 71.317



44, 4.728, 19.928



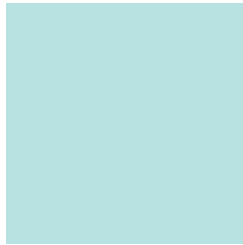
36, 79.111, 39.950



6, 25.541, 20.936

Previews

White Background



This preview shows how the CIELCh color 87, 14.286, 198.465 looks on a white background.

Color Contrast Check

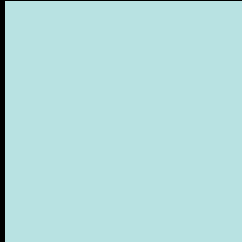
Large Text (above 18pt) WCAG AA × Fail

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, 14.286, 198.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

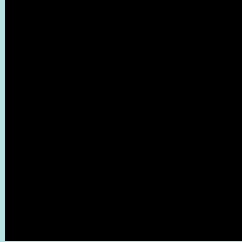
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

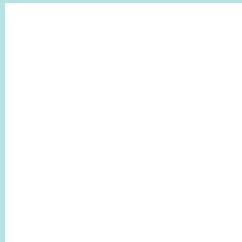
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 14.286, 198.465

Background



This preview shows how black text looks on a background with the CIELCh color 87, 14.286, 198.465.



This preview shows how white text looks on a background with the CIELCh color 87, 14.286, 198.465.

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](#).

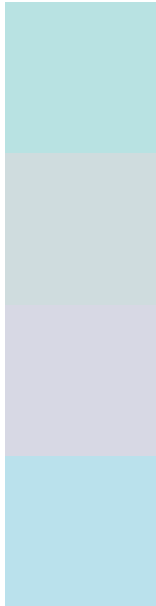
Dichromacy





Tritanopia
87, 14.901, 235.595

Trichromacy



Original Color
87, 14.286, 198.465

Protanomaly
87, 4.683, 212.155

Deuteranomaly
87, 6.298, 287.516

Tritanomaly
87, 14.079, 222.885

Monochromacy



Original Color
87, 14.286, 198.465

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 5.653, 199.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 14.286, 198.465 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(184, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(184, 226, 226)  
}
```

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(184, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 226, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 14.286, 198.465 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(184, 226, 226) }
```

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

```
.border{ border-color:rgb(184, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(184, 226,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 14.286, 198.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 226, 226) }
```

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

```
.background{ background-color: rgb(184,  
226, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor