

Converting Colors

CIELCh(88, 13.246, 198.358)

Have a look what the booklet for
CIELCh(88, 13.246, 198.358)
contains.

CIELCh(88, 13.303, 198.541)	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(88, 13.303, 198.541)

Conversions

Conversions Part 1

Format	Color
Hex	BDE4E4
RGB	189, 228, 228
RGB Percent	74%, 89%, 89%
CMY	0.2580, 0.1050, 0.1050
CMYK	0.17, 0.00, 0.00, 0.11
HSL	180°, 42%, 82%
HSV	180°, 17%, 89%
XYZ	62.8755, 72.0653, 84.1522
YIQ	216.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

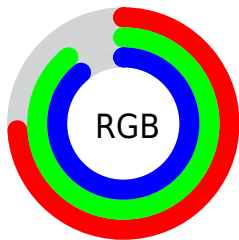
Format	Color
R_{YB}	189, 209, 228
Decimal	12444900
CIE _{Lab}	88.00, -12.61, -4.23
CIE _{LCh}	88, 13.303, 198.541
Yxy	72.0653, 0.2870, 0.3289
Android (android.graphics.Color)	4290634980 (0xFFBDE4E4)
YUV	216.3390, 5.7489, -23.9763
Hunter-Lab	84.8913, -16.3521, 0.6500

Details

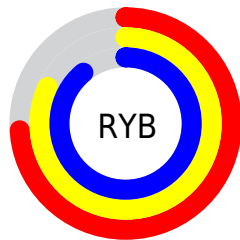
The CIELCh color **88, 13.303, 198.541** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 14.872, 20.565**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 199.421**, and **68, 13.455, 198.314** is the 20% darker color. If you saturate the color by 10%, you get **87, 20.388, 198.044**, and if you desaturate by 10%, it is **89, 5.672, 199.115**.

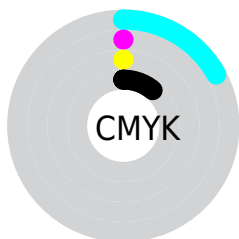
Distribution



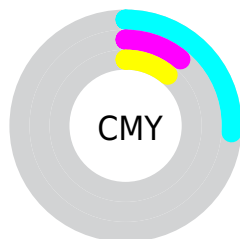
- Red (74%)
- Green (89%)
- Blue (89%)



- Red (74%)
- Yellow (82%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 13.303, 198.541 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 88, 13.303, 198.541 by changing the saturation by 10% instead.


 88, 13.303,
198.541


 88, 13.303,
198.541


 100, 13.303,
198.541


 78, 13.303,
198.541

 68, 13.303,
198.541

 58, 13.303,
198.541

 48, 13.303,
198.541

 38, 13.303,
198.541

 28, 13.303,
198.541

 18, 13.303,

198.541

■ 8, 13.303, 198.541

■ 0, 13.303, 198.541

■ 88, 13.303,
198.541

■ 88, 13.303,
198.541

■ 87, 20.388,
198.044

■ 89, 5.672, 199.115

■ 86, 26.791,
197.614

■ 91, 2.380, 19.308

■ 85, 32.388,
197.247

■ 93, 9.743, 20.016

■ 84, 37.067,
196.945

■ 93, 9.743, 20.010

■ 83, 40.755,

■ 93, 9.743, 20.004

■ 93, 9.743, 19.999

196.710

93, 9.743, 19.993

83, 43.424,
196.542

93, 9.743, 19.987

83, 45.109,
196.435

93, 9.743, 19.981

83, 45.929,
196.383

82, 46.086,
196.373

Harmonies

Complementary

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



88, 13.303, 198.541



80, 14.872, 20.565

Rectangle

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



88, 13.303, 198.541



88, 13.303, 248.541



88, 13.303, 18.541



88, 13.303, 68.541

Sweetspot

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



88, 13.304, 198.534



99, 4.397, 199.270



87, 24.807, 142.956



53, 2.995, 199.213



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 13.304, 198.534



97, 17.658, 198.328



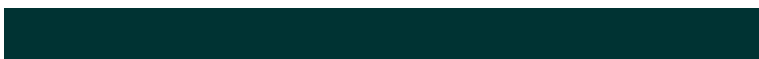
83, 11.939, 255.982



47, 4.537, 198.962



66, 38.349, 196.373



18, 16.092, 196.375

Inverse Universe

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



80, 14.872, 20.565



86, 20.312, 20.942



85, 12.539, 71.497



45, 4.817, 19.928



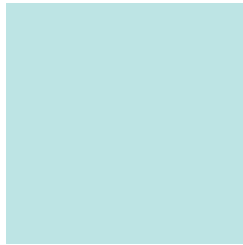
37, 79.980, 39.968



6, 27.105, 21.754

Previews

White Background



This preview shows how the CIELCh color 88, 13.303, 198.541 looks on a white background.

Color Contrast Check

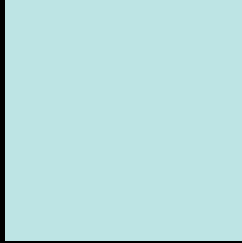
Large Text (above 18pt) WCAG AA × Fail

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 88, 13.303, 198.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

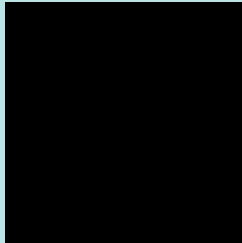
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

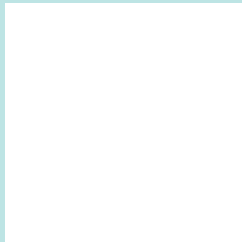
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 13.303, 198.541

Background



This preview shows how black text looks on a background with the CIELCh color 88, 13.303, 198.541.

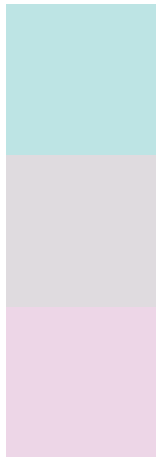


This preview shows how white text looks on a background with the CIELCh color 88, 13.303, 198.541.

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

88, 13.303, 198.541

Protanopia

88, 2.555, 324.431

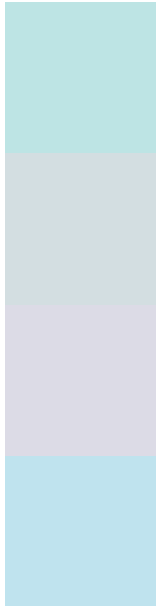
Deuteranopia

88, 12.143, 333.362



Tritanopia
88, 14.442, 239.634

Trichromacy



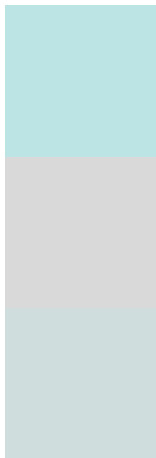
Original Color
88, 13.303, 198.541

Protanomaly
88, 4.153, 221.494

Deuteranomaly
88, 5.771, 294.162

Tritanomaly
88, 13.205, 224.608

Monochromacy



Original Color
88, 13.303, 198.541

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.946, 199.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 13.303, 198.541 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(189, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 228)  
}
```

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(189, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 13.303, 198.541 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(189, 228, 228) }
```

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

```
.border{ border-color:rgb(189, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 13.303, 198.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 228) }
```

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

```
.background{ background-color: rgb(189,  
228, 228) }
```

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