

Converting Colors

CIELCh(88, 12.845, 199.240)

Have a look what the booklet for
CIELCh(88, 12.845, 199.240)
contains.

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Color

CIELCh(88, 12.980, 198.564)

Conversions

Conversions Part 1

Format	Color
Hex	BEE4E4
RGB	190, 228, 228
RGB Percent	75%, 89%, 89%
CMY	0.2547, 0.1057, 0.1057
CMYK	0.17, 0.00, 0.00, 0.11
HSL	180°, 41%, 82%
HSV	180°, 17%, 89%
XYZ	63.0089, 72.0653, 84.0178
YIQ	216.6380, -22.6480, -8.0560

Conversions

Conversions Part 2

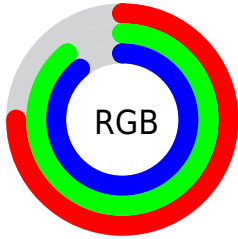
Format	Color
R_{YB}	190, 209, 228
Decimal	12510436
CIE _{Lab}	88.00, -12.30, -4.13
CIE _{LCh}	88, 12.980, 198.564
Yxy	72.0653, 0.2876, 0.3289
Android (android.graphics.Color)	4290700516 (0xFFBEE4E4)
YUV	216.6380, 5.6015, -23.3615
Hunter-Lab	84.8913, -16.0716, 0.7439

Details

The CIELCh color **88, 12.980, 198.564** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 14.468, 20.527**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 2.770, 199.469**, and **68, 13.126, 198.342** is the 20% darker color. If you saturate the color by 10%, you get **87, 20.086, 198.064**, and if you desaturate by 10%, it is **90, 5.334, 199.145**.

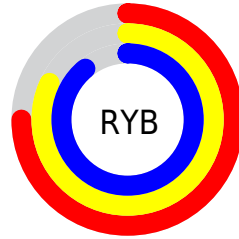
Distribution



Red (75%)

Green (89%)

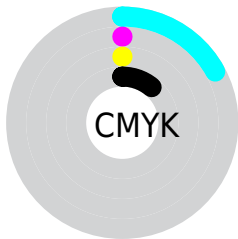
Blue (89%)



Red (75%)

Yellow (82%)

Blue (89%)

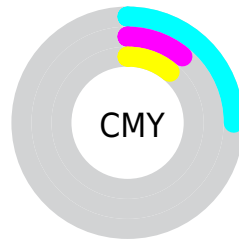


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (25%)

Magenta (11%)

Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 12.980, 198.564 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, 12.980, 198.564 by changing the saturation by 10% instead.


 88, 12.980,
198.564

 88, 12.980,
198.564


 100, 12.980,
198.564


 78, 12.980,
198.564


 68, 12.980,
198.564

 58, 12.980,
198.564

 48, 12.980,
198.564

 38, 12.980,
198.564

 28, 12.980,
198.564

 18, 12.980,

198.564

■ 8, 12.980, 198.564

■ 0, 12.980, 198.564

■ 88, 12.980,
198.564

■ 88, 12.980,
198.564

■ 87, 20.086,
198.064

■ 90, 5.334, 199.145

■ 86, 26.518,
197.632

■ 91, 2.729, 19.365

■ 93, 9.810, 20.022

■ 85, 32.147,
197.262

■ 93, 9.810, 20.016

■ 84, 36.865,
196.957

■ 93, 9.810, 20.011

■ 93, 9.809, 20.005

■ 83, 40.594,

196.719

93, 9.809, 20.000

83, 43.305,
196.548

93, 9.809, 19.994

83, 45.029,
196.439

93, 9.809, 19.989

82, 45.879,
196.385

82, 46.059,
196.374

Harmonies

Complementary

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



88, 12.980, 198.564



80, 14.468, 20.527

Rectangle

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



88, 12.980, 198.564



88, 12.980, 248.564



88, 12.980, 18.564



88, 12.980, 68.564

Sweetspot

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



88, 12.981, 198.557



99, 4.397, 199.270



87, 24.170, 142.987



53, 2.995, 199.214



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, 12.981, 198.557



97, 16.872, 198.379



83, 11.638, 255.915



47, 4.537, 198.962



66, 38.349, 196.374



18, 16.092, 196.376

Inverse Universe

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



80, 14.468, 20.527



86, 19.269, 20.845



85, 12.206, 71.548



45, 4.817, 19.929



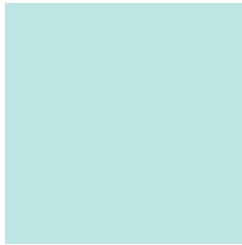
37, 79.981, 39.968



6, 27.105, 21.754

Previews

White Background



This preview shows how the CIE LCh color 88, 12.980, 198.564 looks on a white background.

Color Contrast Check

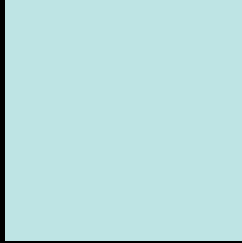
Large Text (above 18pt) WCAG AA × Fail

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, 12.980, 198.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

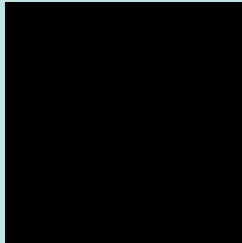
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

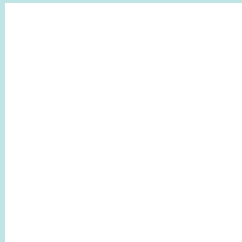
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 12.980, 198.564

Background



This preview shows how black text looks on a background with the CIELCh color 88, 12.980, 198.564.

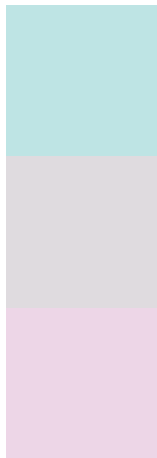


This preview shows how white text looks on a background with the CIELCh color 88, 12.980, 198.564.

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, 12.980, 198.564

Protanopia

88, 2.555, 324.431

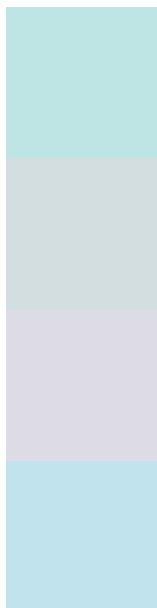
Deuteranopia

88, 12.143, 333.362



Tritanopia
88, 14.205, 240.475

Trichromacy



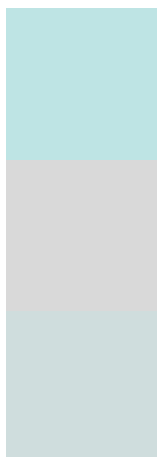
Original Color
88, 12.980, 198.564

Protanomaly
88, 4.153, 221.494

Deuteranomaly
88, 5.771, 294.162

Tritanomaly
88, 12.920, 225.239

Monochromacy



Original Color
88, 12.980, 198.564

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, 12.980, 198.564 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(190, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 228, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 12.980, 198.564 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(190, 228, 228) }
```

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

```
.border{ border-color:rgb(190, 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(190, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(190, 228,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 12.980, 198.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 228, 228) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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