

Converting Colors

CIELCh(90, 11.481, 198.259)

Have a look what the booklet for
CIELCh(90, 11.481, 198.259)
contains.

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Color

CIELCh(90, 11.636, 198.674)

Conversions

Conversions Part 1

Format	Color
Hex	C7E9E9
RGB	199, 233, 233
RGB Percent	78%, 91%, 91%
CMY	0.2196, 0.0863, 0.0863
CMYK	0.15, 0.00, 0.00, 0.09
HSL	180°, 44%, 85%
HSV	180°, 15%, 91%
XYZ	67.4004, 76.3034, 88.2667
YIQ	222.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

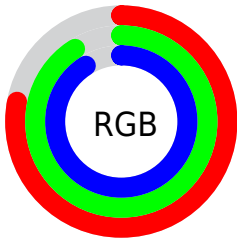
Format	Color
R _Y B	199, 216, 233
Decimal	13101545
CIE Lab	90.00, -11.02, -3.73
CIE LCh	90, 11.636, 198.674
Yxy	76.3034, 0.2906, 0.3289
Android (android.graphics.Color)	4291291625 (0xFFC7E9E9)
YUV	222.8340, 5.0118, -20.9024
Hunter-Lab	87.3518, -15.1356, 1.2353

Details

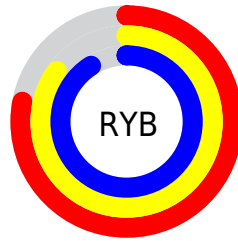
The CIELCh color **90, 11.636, 198.674** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 12.787, 20.348**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 11.421, 198.505** is the 20% darker color. If you saturate the color by 10%, you get **89, 18.991, 198.158**, and if you desaturate by 10%, it is **92, 3.758, 199.307**.

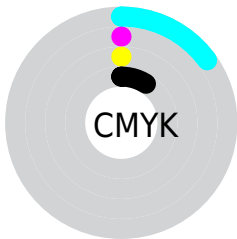
Distribution



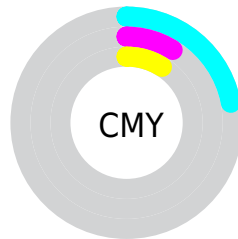
- Red (78%)
- Green (91%)
- Blue (91%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (22%)
- Magenta (9%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 11.636, 198.674 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 90, 11.636, 198.674 by changing the saturation by 10% instead.


 90, 11.636,
198.674


 90, 11.636,
198.674


 100, 11.636,
198.674


 80, 11.636,
198.674

 70, 11.636,
198.674

 60, 11.636,
198.674

 50, 11.636,
198.674

 40, 11.636,
198.674

 30, 11.636,
198.674

 20, 11.636,

198.674

■ 10, 11.636,
198.674

■ 0, 11.636, 198.674

■ 90, 11.636,
198.674

■ 90, 11.636,
198.674

■ 89, 18.991,
198.158

■ 92, 3.758, 199.307

■ 87, 25.687,
197.713

■ 93, 4.519, 19.570

■ 94, 7.943, 19.861

■ 86, 31.590,
197.330

■ 94, 7.943, 19.853

■ 86, 36.585,
197.012

■ 94, 7.943, 19.845

■ 94, 7.943, 19.837

■ 85, 40.585,
196.760

■ 94, 7.943, 19.829

■ 85, 43.549,
196.575

■ 94, 7.943, 19.821

■ 84, 45.497,
196.454

■ 94, 7.943, 19.813

■ 84, 46.520,
196.390

■ 84, 46.813,
196.372

Harmonies

Complementary

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



90, 11.636, 198.674



83, 12.787, 20.348

Rectangle

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



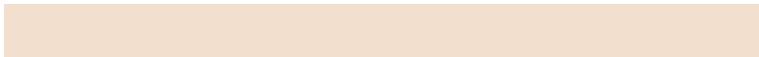
90, 11.636, 198.674



90, 11.636, 248.674



90, 11.636, 18.674



90, 11.636, 68.674

Sweetspot

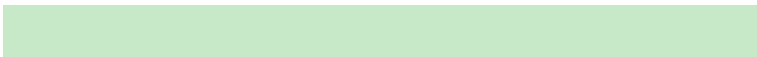
The Sweet Spot groups the original color and five complimentary colors.



90, 11.637, 198.666



99, 3.526, 199.362



89, 21.519, 143.130



53, 2.501, 199.291



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 11.637, 198.666



97, 15.282, 198.480



86, 10.385, 255.601



48, 4.619, 198.960



67, 38.755, 196.372



19, 16.595, 196.374

Inverse Universe

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



83, 12.787, 20.348



88, 17.206, 20.656



87, 10.821, 71.793



46, 4.905, 19.929



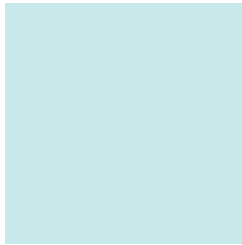
38, 80.843, 39.982



7, 28.535, 22.711

Previews

White Background



This preview shows how the CIE LCh color 90, 11.636, 198.674 looks on a white background.

Color Contrast Check

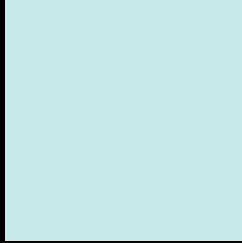
Large Text (above 18pt) WCAG AA × Fail

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 90, 11.636, 198.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

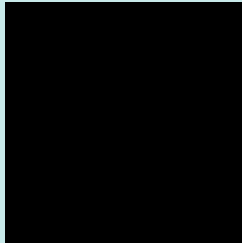
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

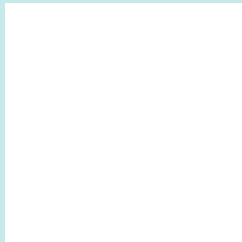
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.636, 198.674

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.636, 198.674.



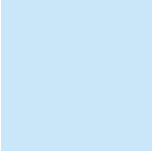
This preview shows how white text looks on a background with the CIELCh color 90, 11.636, 198.674.

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](#).

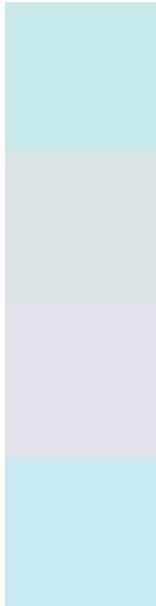
Dichromacy





Tritanopia
90, 13.239, 244.103

Trichromacy



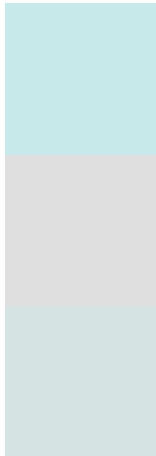
Original Color
90, 11.636, 198.674

Protanomaly
90, 3.649, 215.904

Deuteranomaly
90, 5.841, 301.049

Tritanomaly
90, 11.751, 228.054

Monochromacy



Original Color
90, 11.636, 198.674

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.576, 199.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.636, 198.674 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(199, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(199, 233, 233)  
}
```

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(199, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 233, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.636, 198.674 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(199, 233, 233) }
```

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

```
.border{ border-color:rgb(199, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 233, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 233, 233); box-shadow:4px 4px 4px 4px rgb(199, 233, 233) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.636, 198.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 233, 233) }
```

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

```
.background{ background-color: rgb(199,  
233, 233) }
```

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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