

Converting Colors

CIELCh(90, 12.120, 198.728)

Have a look what the booklet for
CIELCh(90, 12.120, 198.728)
contains.

CIELCh(90, 11.964, 198.650)	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(90, 11.964, 198.650)

Conversions

Conversions Part 1

Format	Color
Hex	C6E9E9
RGB	198, 233, 233
RGB Percent	78%, 91%, 91%
CMY	0.2228, 0.0855, 0.0856
CMYK	0.15, 0.00, 0.00, 0.09
HSL	180°, 45%, 85%
HSV	180°, 15%, 91%
XYZ	67.2588, 76.3034, 88.4091
YIQ	222.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

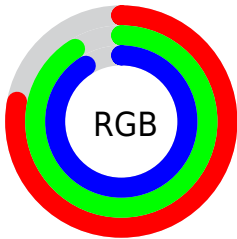
Format	Color
R _Y B	198, 216, 233
Decimal	13036009
CIE Lab	90.00, -11.34, -3.83
CIE LCh	90, 11.964, 198.650
Yxy	76.3034, 0.2899, 0.3289
Android (android.graphics.Color)	4291226089 (0xFFC6E9E9)
YUV	222.5350, 5.1592, -21.5172
Hunter-Lab	87.3518, -15.4248, 1.1386

Details

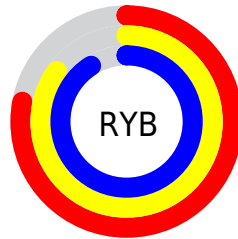
The CIELCh color **90, 11.964, 198.650** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 13.186, 20.383**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 11.758, 198.477** is the 20% darker color. If you saturate the color by 10%, you get **89, 19.299, 198.137**, and if you desaturate by 10%, it is **92, 4.100, 199.269**.

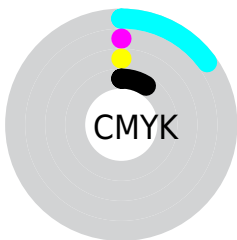
Distribution



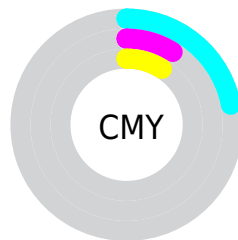
- Red (78%)
- Green (91%)
- Blue (91%)



- 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, 11.964, 198.650 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, 11.964, 198.650 by changing the saturation by 10% instead.


 90, 11.964,
198.650


 90, 11.964,
198.650


 100, 11.964,
198.650


 80, 11.964,
198.650


 70, 11.964,
198.650

 60, 11.964,
198.650

 50, 11.964,
198.650

 40, 11.964,
198.650

 30, 11.964,
198.650

 20, 11.964,

198.650

■ 10, 11.964,
198.650

■ 0, 11.964, 198.650

■ 90, 11.964,
198.650

■ 90, 11.964,
198.650

■ 89, 19.299,
198.137

■ 92, 4.100, 199.269

■ 87, 25.968,
197.695

■ 93, 4.167, 19.534

■ 86, 31.839,
197.314

■ 94, 7.875, 19.854

■ 86, 36.797,
196.999

■ 94, 7.875, 19.845

■ 94, 7.875, 19.836

■ 94, 7.875, 19.827

■ 85, 40.756,
196.750

■ 94, 7.875, 19.818

■ 85, 43.678,
196.568

■ 94, 7.875, 19.809

■ 84, 45.585,
196.449

■ 94, 7.875, 19.800

■ 84, 46.573,
196.387

■ 84, 46.840,
196.370

Harmonies

Complementary

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



90, 11.964, 198.650



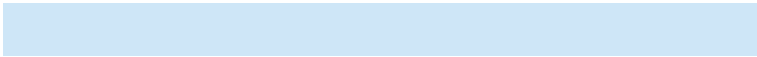
83, 13.186, 20.383

Rectangle

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



90, 11.964, 198.650



90, 11.964, 248.650



90, 11.964, 18.650



90, 11.964, 68.650

Sweetspot

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



90, 11.965, 198.642



99, 4.397, 199.268



89, 22.156, 143.101



53, 2.995, 199.212



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, 11.965, 198.642



97, 15.282, 198.479



86, 10.687, 255.664



48, 4.619, 198.959



67, 38.755, 196.371



19, 16.596, 196.373

Inverse Universe

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



83, 13.186, 20.383



88, 17.206, 20.655



87, 11.151, 71.743



46, 4.905, 19.928



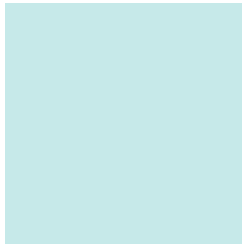
38, 80.843, 39.981



7, 28.535, 22.711

Previews

White Background



This preview shows how the CIE LCh color 90, 11.964, 198.650 looks on a white background.

Color Contrast Check

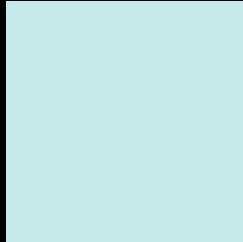
Large Text (above 18pt) WCAG AA × Fail

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, 11.964, 198.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

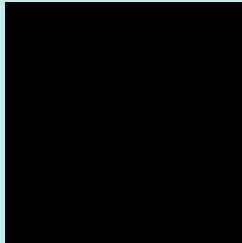
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

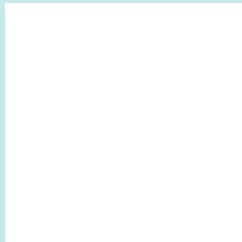
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.964, 198.650

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.964, 198.650.



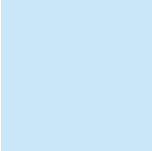
This preview shows how white text looks on a background with the CIELCh color 90, 11.964, 198.650.

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](#).

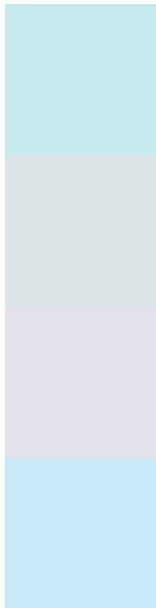
Dichromacy





Tritanopia
90, 13.466, 243.132

Trichromacy



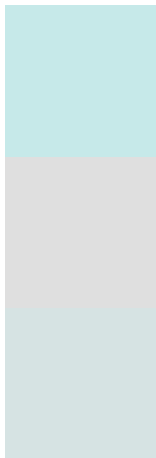
Original Color
90, 11.964, 198.650

Protanomaly
90, 3.649, 215.904

Deuteranomaly
90, 5.841, 301.049

Tritanomaly
90, 12.032, 227.292

Monochromacy



Original Color
90, 11.964, 198.650

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, 11.964, 198.650 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(198, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 233, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.964, 198.650 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(198, 233, 233) }
```

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

```
.border{ border-color:rgb(198, 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(198, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 233,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.964, 198.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 233, 233) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

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