

Converting Colors

CIELCh(90, 11.658, 189.535)

Have a look what the booklet for
CIELCh(90, 11.658, 189.535)
contains.

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Color

CIELCh(90, 11.515, 190.867)

Conversions

Conversions Part 1

Format	Color
Hex	C8E9E6
RGB	200, 233, 230
RGB Percent	78%, 91%, 90%
CMY	0.2155, 0.0861, 0.0979
CMYK	0.14, 0.00, 0.01, 0.09
HSL	175°, 43%, 85%
HSV	175°, 14%, 91%
XYZ	67.2712, 76.3034, 86.0774
YIQ	222.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

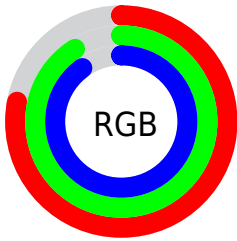
Format	Color
R_{YB}	200, 217, 233
Decimal	13167078
CIE _{Lab}	90.00, -11.31, -2.17
CIE _{LCh}	90, 11.515, 190.867
Yxy	76.3034, 0.2929, 0.3323
Android (android.graphics.Color)	4291357158 (0xFFC8E9E6)
YUV	222.7910, 3.5540, -19.9877
Hunter-Lab	87.3518, -15.3996, 2.7213

Details

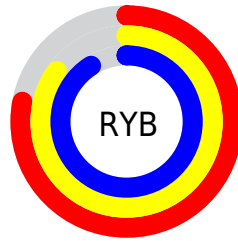
The CIELCh color **90, 11.515, 190.867** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 12.421, 13.061**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 11.221, 192.888** is the 20% darker color. If you saturate the color by 10%, you get **89, 19.150, 190.073**, and if you desaturate by 10%, it is **92, 3.451, 191.741**.

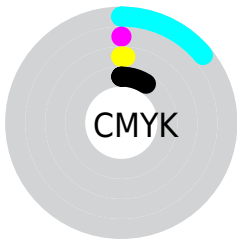
Distribution



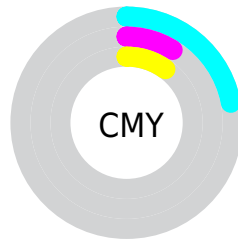
- Red (78%)
- Green (91%)
- Blue (90%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (22%)
- Magenta (9%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 11.515, 190.867 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, 11.515, 190.867 by changing the saturation by 10% instead.


 90, 11.515,
190.867


 90, 11.515,
190.867


 100, 11.515,
190.867


 80, 11.515,
190.867


 70, 11.515,
190.867

 60, 11.515,
190.867

 50, 11.515,
190.867

 40, 11.515,
190.867

 30, 11.515,
190.867

 20, 11.515,

190.867

■ 10, 11.515,
190.867

■ 0, 11.515, 190.867

■ 90, 11.515,
190.867

■ 90, 11.515,
190.867

■ 89, 19.150,
190.073

■ 92, 3.451, 191.741

■ 87, 26.214,
189.289

■ 93, 4.922, 12.197

■ 86, 32.569,
188.494

■ 94, 8.080, 7.601

■ 85, 38.082,
187.678

■ 94, 8.363, 0.299

■ 94, 8.775, 353.585

■ 94, 9.299, 347.557

■ 85, 42.648,
186.828

■ 94, 9.916, 342.235

■ 84, 46.204,
185.927

■ 94, 10.611,
337.582

■ 84, 48.747,
184.957

■ 94, 11.369,
333.537

■ 84, 50.352,
183.903

■ 83, 50.987,
183.258

Harmonies

Complementary

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



90, 11.515, 190.867



83, 12.421, 13.061

Rectangle

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



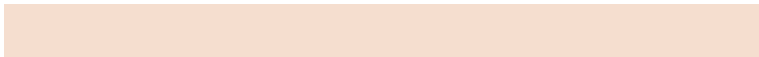
90, 11.515, 190.867



90, 11.515, 240.867



90, 11.515, 10.867



90, 11.515, 60.867

Sweetspot

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



90, 11.516, 190.859



99, 3.569, 191.758



89, 20.324, 140.964



53, 2.533, 191.672



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, 11.516, 190.859



97, 14.770, 190.628



87, 9.559, 245.608



48, 4.691, 191.241



66, 42.136, 183.451



19, 17.787, 185.206

Inverse Universe

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



83, 12.421, 13.061



88, 16.195, 13.368



87, 10.142, 62.405



46, 4.931, 12.593



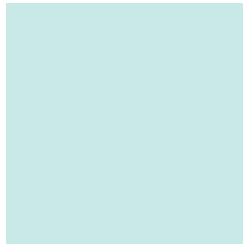
38, 77.031, 36.229



7, 28.182, 18.998

Previews

White Background



This preview shows how the CIE LCh color 90, 11.515, 190.867 looks on a white background.

Color Contrast Check

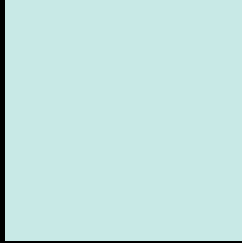
Large Text (above 18pt) WCAG AA × Fail

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, 11.515, 190.867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

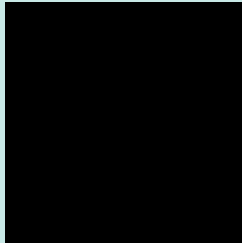
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

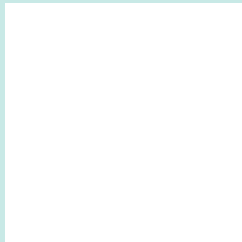
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.515, 190.867

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.515, 190.867.

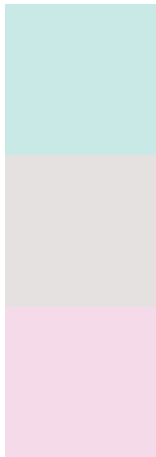


This preview shows how white text looks on a background with the CIELCh color 90, 11.515, 190.867.

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
90, 11.515, 190.867

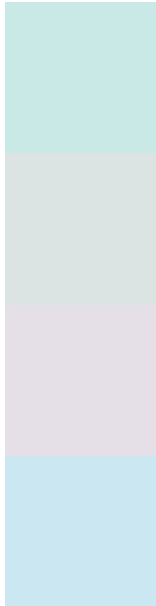
Protanopia
90, 1.795, 19.196

Deuteranopia
90, 11.852, 342.463



Tritanopia
90, 13.163, 247.845

Trichromacy



Original Color
90, 11.515, 190.867

Protanomaly
90, 3.233, 190.118

Deuteranomaly
90, 4.551, 313.415

Tritanomaly
90, 11.198, 229.702

Monochromacy



Original Color
90, 11.515, 190.867

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 4.276, 192.254

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.515, 190.867 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(200, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(200, 233, 230)  
}
```

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(200, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 233, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.515, 190.867 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(200, 233, 230) }
```

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

```
.border{ border-color:rgb(200, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(200, 233,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.515, 190.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 233, 230) }
```

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

```
.background{ background-color: rgb(200,  
233, 230) }
```

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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