

Converting Colors

CIELCh(90, 13.394, 197.773)

Have a look what the booklet for
CIELCh(90, 13.394, 197.773)
contains.

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Color

CIELCh(90, 13.255, 198.562)

Conversions

Conversions Part 1

Format	Color
Hex	C3EAEA
RGB	195, 234, 234
RGB Percent	76%, 92%, 92%
CMY	0.2357, 0.0828, 0.0828
CMYK	0.17, 0.00, 0.00, 0.08
HSL	180°, 48%, 84%
HSV	180°, 17%, 92%
XYZ	66.7035, 76.3034, 88.9697
YIQ	222.3390, -23.2440, -8.2680

Conversions

Conversions Part 2

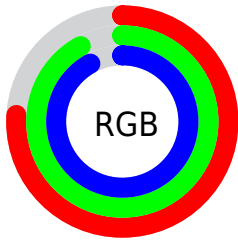
Format	Color
R _Y B	195, 215, 234
Decimal	12839658
CIE Lab	90.00, -12.57, -4.22
CIE LCh	90, 13.255, 198.562
Yxy	76.3034, 0.2875, 0.3289
Android (android.graphics.Color)	4291029738 (0xFFC3EAEA)
YUV	222.3390, 5.7489, -23.9763
Hunter-Lab	87.3518, -16.5597, 0.7581

Details

The CIELCh color **90, 13.255, 198.562** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 14.778, 20.530**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.042, 199.975**, and **70, 13.080, 198.369** is the 20% darker color. If you saturate the color by 10%, you get **89, 20.506, 198.061**, and if you desaturate by 10%, it is **92, 5.451, 199.143**.

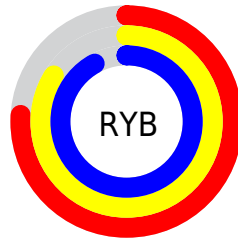
Distribution



Red (76%)

Green (92%)

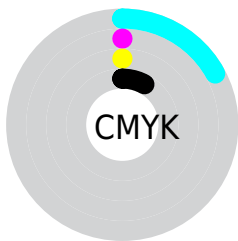
Blue (92%)



Red (76%)

Yellow (84%)

Blue (92%)

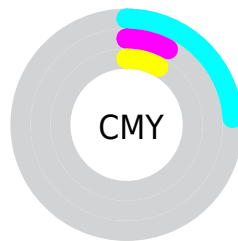


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (24%)


Magenta (8%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 13.255, 198.562 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, 13.255, 198.562 by changing the saturation by 10% instead.


 90, 13.255,
198.562


 90, 13.255,
198.562


 100, 13.255,
198.562


 80, 13.255,
198.562


 70, 13.255,
198.562

 60, 13.255,
198.562

 50, 13.255,
198.562

 40, 13.255,
198.562

 30, 13.255,
198.562

 20, 13.255,

198.562

■ 10, 13.255,
198.562

■ 0, 13.255, 198.562

■ 90, 13.255,
198.562

■ 90, 13.255,
198.562

■ 89, 20.506,
198.061

■ 92, 5.451, 199.143

■ 87, 27.067,
197.629

■ 93, 2.778, 19.365

■ 94, 7.612, 19.835

■ 87, 32.807,
197.259

■ 94, 7.612, 19.827

■ 86, 37.615,
196.954

■ 94, 7.612, 19.820

■ 94, 7.612, 19.813

■ 85, 41.411,
196.717

■ 94, 7.612, 19.805

■ 85, 44.166,
196.546

■ 94, 7.612, 19.798

■ 84, 45.915,
196.438

■ 94, 7.612, 19.790

■ 84, 46.770,
196.385

■ 84, 46.947,
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.



90, 13.255, 198.562



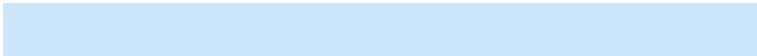
82, 14.778, 20.530

Rectangle

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



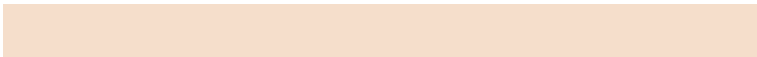
90, 13.255, 198.562



90, 13.255, 248.562



90, 13.255, 18.562



90, 13.255, 68.562

Sweetspot

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



90, 13.256, 198.555



99, 4.397, 199.270



89, 24.684, 142.984



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.



90, 13.256, 198.555



97, 16.872, 198.379



85, 11.885, 255.920



48, 4.619, 198.961



67, 38.755, 196.374



19, 16.595, 196.375

Inverse Universe

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



82, 14.778, 20.530



86, 19.269, 20.845



87, 12.467, 71.544



46, 4.905, 19.930



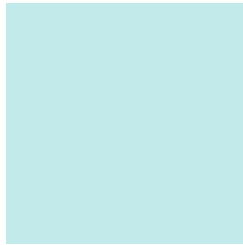
38, 80.843, 39.982



7, 28.535, 22.712

Previews

White Background



This preview shows how the CIE LCh color 90, 13.255, 198.562 looks on a white background.

Color Contrast Check

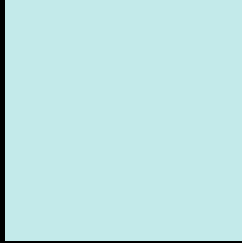
Large Text (above 18pt) WCAG AA × Fail

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, 13.255, 198.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

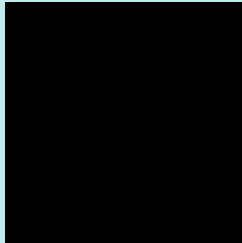
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

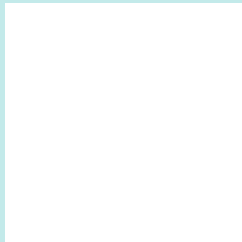
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 13.255, 198.562

Background



This preview shows how black text looks on a background with the CIELCh color 90, 13.255, 198.562.

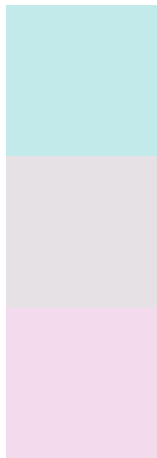


This preview shows how white text looks on a background with the CIELCh color 90, 13.255, 198.562.

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

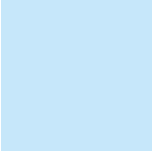
90, 13.255, 198.562

Protanopia

90, 2.543, 324.426

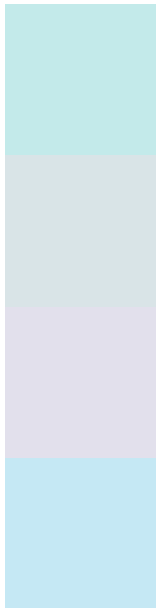
Deuteranopia

90, 12.711, 332.957



Tritanopia
90, 14.480, 242.096

Trichromacy



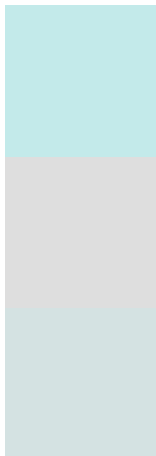
Original Color
90, 13.255, 198.562

Protanomaly
90, 4.134, 221.491

Deuteranomaly
90, 6.300, 297.081

Tritanomaly
90, 13.086, 227.352

Monochromacy



Original Color
90, 13.255, 198.562

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 4.926, 199.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 13.255, 198.562 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(195, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(195, 234, 234)  
}
```

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(195, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 234, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 13.255, 198.562 is called "border". The border property can be set on classes, ids or directly on the HTML element.

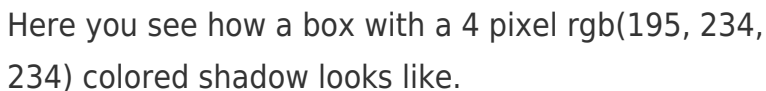
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 234, 234) }
```

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

```
.border{ border-color:rgb(195, 234, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 234, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 234, 234); box-shadow:4px 4px 4px 4px rgb(195, 234, 234) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 13.255, 198.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 234, 234) }
```

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

```
.background{ background-color: rgb(195,  
234, 234) }
```

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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