

Converting Colors

CIELCh(90, 12.646, 196.252)

Have a look what the booklet for
CIELCh(90, 12.646, 196.252)
contains.

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Color

CIELCh(90, 12.656, 196.238)

Conversions

Conversions Part 1

Format	Color
Hex	C5EAE9
RGB	197, 234, 233
RGB Percent	77%, 92%, 91%
CMY	0.2289, 0.0839, 0.0878
CMYK	0.16, 0.00, 0.00, 0.08
HSL	178°, 46%, 84%
HSV	178°, 16%, 92%
XYZ	66.8903, 76.3034, 88.0019
YIQ	222.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

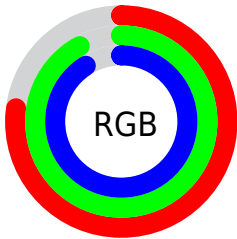
Format	Color
R _Y B	197, 216, 234
Decimal	12970729
CIE Lab	90.00, -12.15, -3.54
CIE LCh	90, 12.656, 196.238
Yxy	76.3034, 0.2893, 0.3300
Android (android.graphics.Color)	4291160809 (0xFFC5EAE9)
YUV	222.8230, 5.0173, -22.6468
Hunter-Lab	87.3518, -16.1780, 1.4150

Details

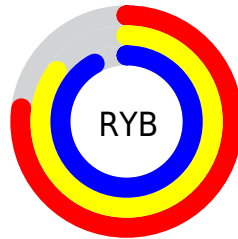
The CIELCh color **90, 12.656, 196.238** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 13.956, 18.310**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.347, 201.292**, and **70, 12.476, 195.887** is the 20% darker color. If you saturate the color by 10%, you get **89, 20.016, 195.635**, and if you desaturate by 10%, it is **92, 4.781, 196.916**.

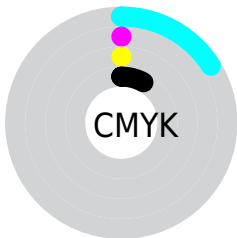
Distribution



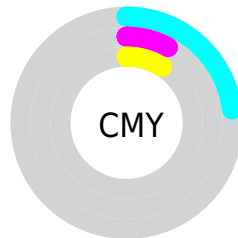
- Red (77%)
- Green (92%)
- Blue (91%)



- Red (77%)
- Yellow (85%)
- Blue (92%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (23%)
- Magenta (8%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 12.656, 196.238 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, 12.656, 196.238 by changing the saturation by 10% instead.


 90, 12.656,
196.238


 90, 12.656,
196.238


 100, 12.656,
196.238


 80, 12.656,
196.238


 70, 12.656,
196.238

 60, 12.656,
196.238

 50, 12.656,
196.238

 40, 12.656,
196.238

 30, 12.656,
196.238

 20, 12.656,

196.238

■ 10, 12.656,
196.238

■ 0, 12.656, 196.238

■ 90, 12.656,
196.238

■ 90, 12.656,
196.238

■ 89, 20.016,
195.635

■ 92, 4.781, 196.916

■ 87, 26.721,
195.082

■ 93, 3.483, 17.237

■ 94, 7.721, 16.451

■ 86, 32.637,
194.565

■ 94, 7.741, 14.057

■ 86, 37.646,
194.085

■ 94, 7.775, 11.680

■ 94, 7.822, 9.327

■ 85, 41.660,
193.637

■ 94, 7.883, 7.008

■ 85, 44.637,
193.216

■ 94, 7.957, 4.728

■ 84, 46.599,
192.813

■ 94, 8.043, 2.494

■ 84, 47.644,
192.417

■ 84, 47.917,
192.252

Harmonies

Complementary

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



90, 12.656, 196.238



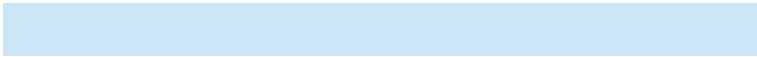
83, 13.956, 18.310

Rectangle

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



90, 12.656, 196.238



90, 12.656, 246.238



90, 12.656, 16.238



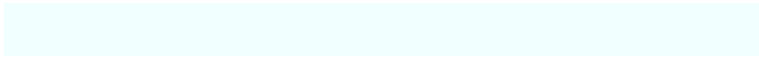
90, 12.656, 66.238

Sweetspot

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



90, 12.657, 196.230



99, 4.406, 196.986



89, 23.285, 142.618



53, 3.001, 196.924



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, 12.657, 196.230



97, 16.151, 196.031



86, 11.137, 253.885



48, 4.632, 196.644



67, 39.576, 192.318



19, 16.891, 192.902

Inverse Universe

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



83, 13.956, 18.310



87, 18.199, 18.625



87, 11.703, 69.819



46, 4.904, 17.744



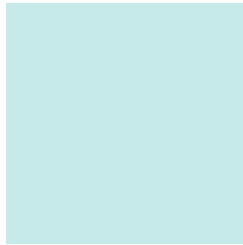
38, 79.639, 38.876



7, 28.419, 21.618

Previews

White Background



This preview shows how the CIE LCh color 90, 12.656, 196.238 looks on a white background.

Color Contrast Check

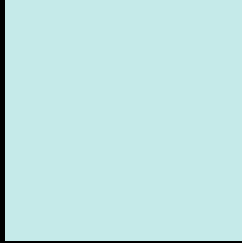
Large Text (above 18pt) WCAG AA × Fail

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, 12.656, 196.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

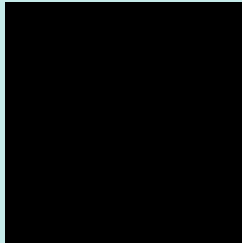
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

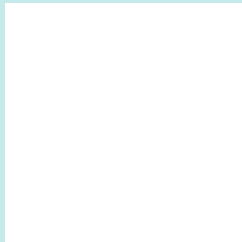
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 12.656, 196.238

Background



This preview shows how black text looks on a background with the CIELCh color 90, 12.656, 196.238.

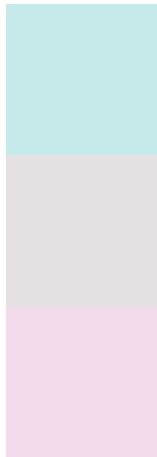


This preview shows how white text looks on a background with the CIELCh color 90, 12.656, 196.238.

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

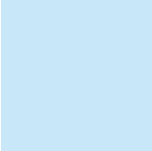
90, 12.656, 196.238

Protanopia

90, 1.784, 343.542

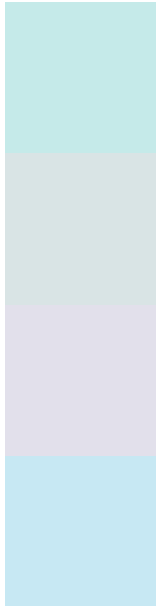
Deuteranopia

90, 12.339, 334.595



Tritanopia
90, 13.695, 242.196

Trichromacy



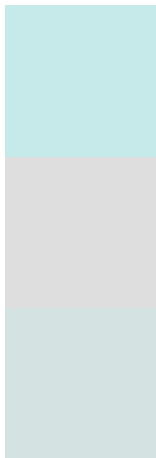
Original Color
90, 12.656, 196.238

Protanomaly
90, 3.896, 206.974

Deuteranomaly
90, 5.783, 297.626

Tritanomaly
90, 12.315, 226.565

Monochromacy



Original Color
90, 12.656, 196.238

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 4.579, 199.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 12.656, 196.238 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(197, 234, 233)` looks like.

```
.text, #text, p{  
    color:rgb(197, 234, 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(197, 234, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 234, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 12.656, 196.238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

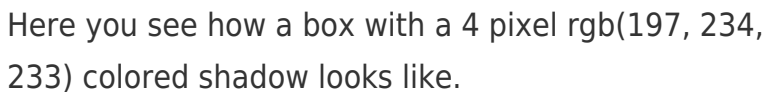
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 234, 233) }
```

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

```
.border{ border-color:rgb(197, 234, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 234, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 234, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 234, 233);  
box-shadow:4px 4px 4px 4px rgb(197, 234,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 12.656, 196.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 234, 233) }
```

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

```
.background{ background-color: rgb(197,  
234, 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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