

Converting Colors

CIELCh(90, 16.166, 163.033)

Have a look what the booklet for
CIELCh(90, 16.166, 163.033)
contains.

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Color

CIELCh(90, 16.166, 163.033)

Conversions

Conversions Part 1

Format	Color
Hex	C6EBD9
RGB	198, 235, 217
RGB Percent	78%, 92%, 85%
CMY	0.2242, 0.0791, 0.1497
CMYK	0.16, 0.00, 0.08, 0.08
HSL	151°, 48%, 85%
HSV	151°, 16%, 92%
XYZ	65.4073, 76.3034, 76.8123
YIQ	221.8850, -16.2740, -13.4420

Conversions

Conversions Part 2

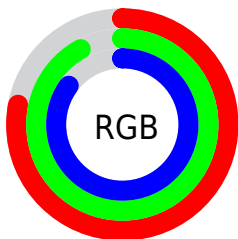
Format	Color
RYB	198, 222, 235
Decimal	13036505
CIELab	90.00, -15.46, 4.72
CIELCh	90, 16.166, 163.033
Yxy	76.3034, 0.2993, 0.3492
Android (android.graphics.Color)	4291226585 (0xFFC6EBD9)
YUV	221.8850, -2.4083, -20.9471
Hunter-Lab	87.3518, -19.2083, 9.0100

Details

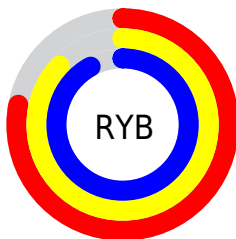
The CIELCh color **90, 16.166, 163.033** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 16.516, 345.742**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 16.067, 162.734** is the 20% darker color. If you saturate the color by 10%, you get **88, 26.315, 162.018**, and if you desaturate by 10%, it is **92, 5.903, 163.981**.

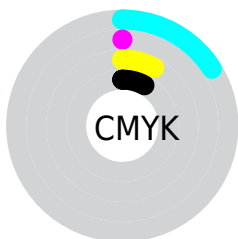
Distribution



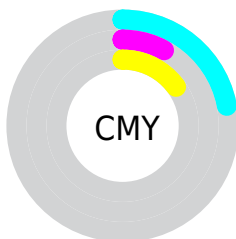
- Red (78%)
- Green (92%)
- Blue (85%)



- Red (78%)
- Yellow (87%)
- Blue (92%)



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





- Cyan (22%)
- Magenta (8%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.166, 163.033 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, 16.166, 163.033 by changing the saturation by 10% instead.


 90, 16.166,
163.033


 90, 16.166,
163.033


 100, 16.166,
163.033


 80, 16.166,
163.033


 70, 16.166,
163.033

 60, 16.166,
163.033

 50, 16.166,
163.033

 40, 16.166,
163.033

 30, 16.166,
163.033

 20, 16.166,

163.033

■ 10, 16.166,
163.033

■ 0, 16.166, 163.033

■ 90, 16.166,
163.033

■ 90, 16.166,
163.033

■ 88, 26.315,
162.018

■ 92, 5.903, 163.981

■ 87, 36.194,
160.891

■ 94, 4.355, 344.613

■ 86, 45.637,
159.623

■ 95, 11.008,
330.741

■ 85, 54.465,
158.186

■ 95, 12.586,
324.854

■ 84, 62.515,
156.557

■ 83, 69.660,
154.717

■ 83, 75.843,
152.661

■ 82, 81.098,
150.411

■ 82, 83.144,
149.450

Harmonies

Complementary

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



90, 16.166, 163.033



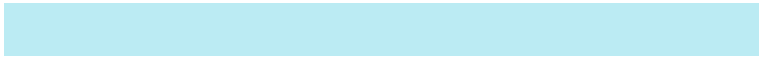
83, 16.516, 345.742

Rectangle

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



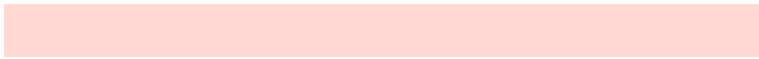
90, 16.166, 163.033



90, 16.166, 213.033



90, 16.166, 343.033



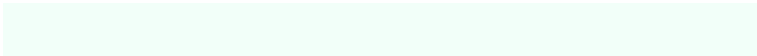
90, 16.166, 33.033

Sweetspot

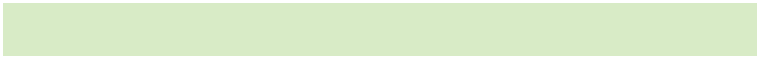
The Sweet Spot groups the original color and five complimentary colors.



90, 16.168, 163.030



99, 5.482, 164.055



91, 20.293, 128.361



53, 3.741, 163.983



0, 0.000, 0.000



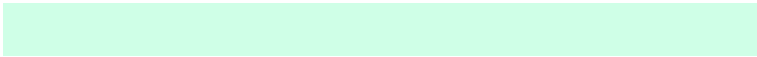
53, 0.007, 296.813

Same Dimension

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



90, 16.168, 163.030



96, 20.826, 162.704



90, 12.600, 198.611



48, 5.827, 163.626



65, 67.848, 149.868



19, 26.871, 153.860

Inverse Universe

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



83, 16.516, 345.742



88, 21.367, 346.071



83, 13.958, 20.456



46, 5.907, 345.142



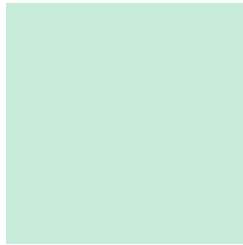
39, 65.417, 3.215



8, 28.486, 356.245

Previews

White Background



This preview shows how the CIELCh color 90, 16.166, 163.033 looks on a white background.

Color Contrast Check

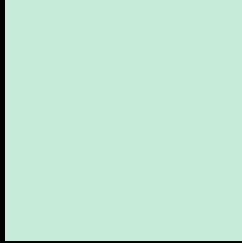
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 16.166, 163.033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

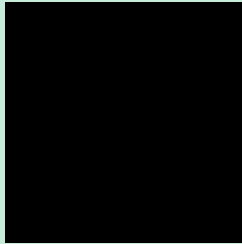
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

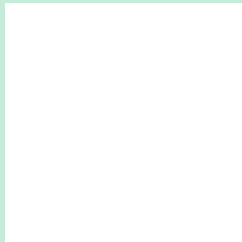
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.166, 163.033

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.166, 163.033.

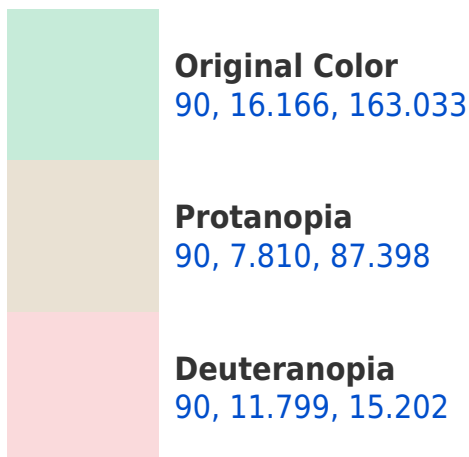


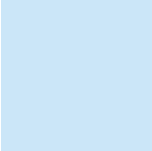
This preview shows how white text looks on a background with the CIELCh color 90, 16.166, 163.033.

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](#).

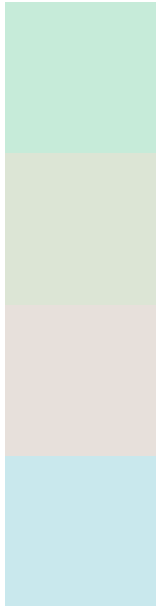
Dichromacy





Tritanopia
90, 12.803, 246.162

Trichromacy



Original Color
90, 16.166, 163.033

Protanomaly
90, 8.934, 130.943

Deuteranomaly
90, 3.610, 65.213

Tritanomaly
90, 10.802, 212.751

Monochromacy



Original Color
90, 16.166, 163.033

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 6.215, 163.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.166, 163.033 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, 235, 217)` looks like.

```
.text, #text, p{  
    color:rgb(198, 235, 217)  
}
```

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, 235, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 235, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.166, 163.033 is called "border". The border property can be set on classes, ids or directly on the HTML element.

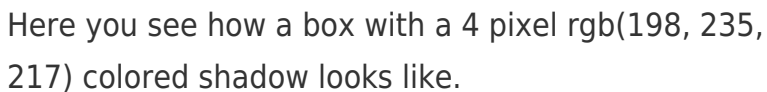
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 235, 217) }
```

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

```
.border{ border-color:rgb(198, 235, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 235, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 235, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 235, 217); box-shadow:4px 4px 4px 4px rgb(198, 235, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.166, 163.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 235, 217) }
```

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

```
.background{ background-color: rgb(198,  
235, 217) }
```

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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