

Converting Colors

CIELCh(90, 16.488, 218.496)

Have a look what the booklet for
CIELCh(90, 16.488, 218.496)
contains.

CIELCh(90, 16.459, 216.969)	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, 16.459, 216.969)

Conversions

Conversions Part 1

Format	Color
Hex	BBEBF5
RGB	187, 235, 245
RGB Percent	73%, 92%, 96%
CMY	0.2680, 0.0798, 0.0406
CMYK	0.24, 0.04, 0.00, 0.04
HSL	190°, 74%, 85%
HSV	190°, 24%, 96%
XYZ	66.4405, 76.3034, 97.3247
YIQ	221.7880, -31.8180, -7.0660

Conversions

Conversions Part 2

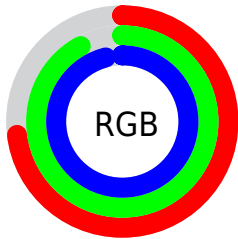
Format	Color
R _Y B	187, 213, 245
Decimal	12315637
CIE Lab	90.00, -13.15, -9.90
CIE LCh	90, 16.459, 216.969
Yxy	76.3034, 0.2768, 0.3178
Android (android.graphics.Color)	4290505717 (0xFFBBEBF5)
YUV	221.7880, 11.4435, -30.5091
Hunter-Lab	87.3518, -17.0970, -4.9128

Details

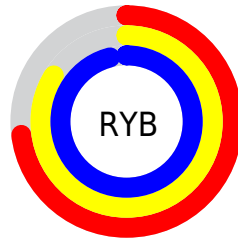
The CIELCh color **90, 16.459, 216.969** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83, 19.380, 36.345**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **70, 16.587, 217.651** is the 20% darker color. If you saturate the color by 10%, you get **88, 22.533, 217.494**, and if you desaturate by 10%, it is **93, 9.818, 216.636**.

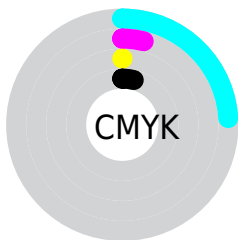
Distribution



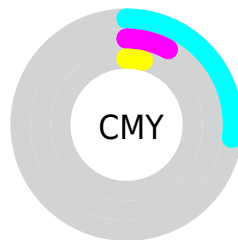
- Red (73%)
- Green (92%)
- Blue (96%)



- Red (73%)
- Yellow (84%)
- Blue (96%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (27%)
- Magenta (8%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.459, 216.969 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, 16.459, 216.969 by changing the saturation by 10% instead.


 90, 16.459,
216.969


 90, 16.459,
216.969


 100, 16.459,
216.969


 80, 16.459,
216.969


 70, 16.459,
216.969

 60, 16.459,
216.969

 50, 16.459,
216.969

 40, 16.459,
216.969

 30, 16.459,
216.969

 20, 16.459,

216.969

■ 10, 16.459,
216.969

■ 0, 16.459, 216.969

■ 90, 16.459,
216.969

■ 90, 16.459,
216.969

■ 88, 22.533,
217.494

■ 93, 9.818, 216.636

■ 95, 2.724, 216.599

■ 85, 27.923,
218.268

■ 98, 3.033, 45.785

■ 83, 32.516,
219.342

■ 99, 3.683, 90.278

■ 81, 36.221,
220.784

■ 100, 5.241,
109.772

■ 79, 38.989,
222.670

■ 78, 40.836,
225.075

■ 76, 41.863,
228.059

■ 75, 42.235,
230.184

Harmonies

Complementary

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



90, 16.459, 216.969



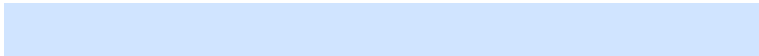
83, 19.380, 36.345

Rectangle

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



90, 16.459, 216.969



90, 16.459, 266.969



90, 16.459, 36.969



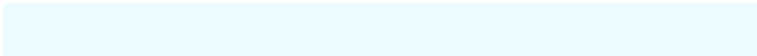
90, 16.459, 86.969

Sweetspot

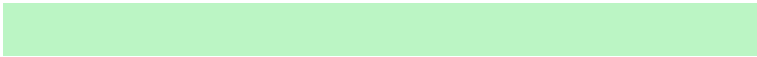
The Sweet Spot groups the original color and five complimentary colors.



90, 16.459, 216.963



98, 5.280, 216.543



92, 32.606, 147.698



52, 3.426, 216.545



0, 0.000, 0.000



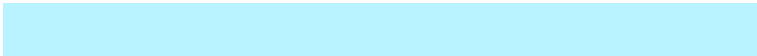
53, 0.007, 296.813

Same Dimension

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



90, 16.459, 216.963



92, 19.795, 217.168



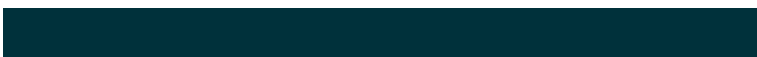
83, 21.227, 274.641



50, 4.121, 216.561



59, 34.389, 229.541



18, 15.299, 224.586

Inverse Universe

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



82, 32.579, 331.054



83, 39.781, 331.339



90, 21.341, 88.074



48, 7.774, 330.135



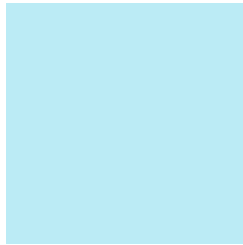
42, 79.753, 336.525



10, 36.082, 335.244

Previews

White Background



This preview shows how the CIE LCh color 90, 16.459, 216.969 looks on a white background.

Color Contrast Check

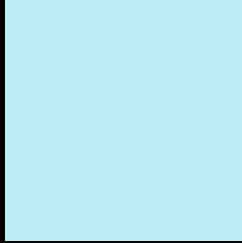
Large Text (above 18pt) WCAG AA × Fail

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, 16.459, 216.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

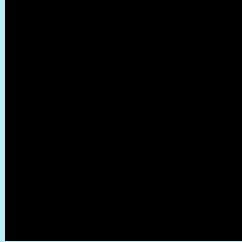
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 16.459, 216.969

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.459, 216.969.

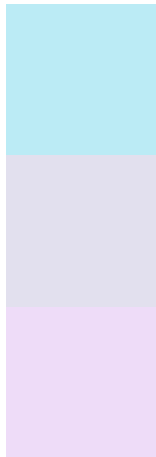


This preview shows how white text looks on a background with the CIELCh color 90, 16.459, 216.969.

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, 16.459, 216.969

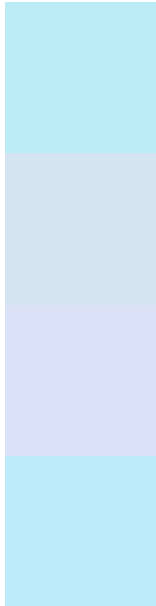
Protanopia
90, 7.334, 296.239

Deuteranopia
90, 15.931, 314.360



Tritanopia
90, 17.344, 233.545

Trichromacy



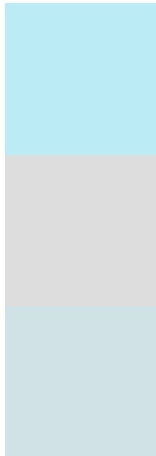
Original Color
90, 16.459, 216.969

Protanomaly
90, 8.212, 248.792

Deuteranomaly
90, 11.587, 280.951

Tritanomaly
90, 16.691, 226.557

Monochromacy



Original Color
90, 16.459, 216.969

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 6.234, 218.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.459, 216.969 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(187, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(187, 235, 245)  
}
```

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(187, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 235, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.459, 216.969 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(187, 235, 245) }
```

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

```
.border{ border-color:rgb(187, 235, 245) }
```

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

Here you see how a box with a 4 pixel rgb(187, 235, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(187, 235,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.459, 216.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 235, 245) }
```

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

```
.background{ background-color: rgb(187,  
235, 245) }
```

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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