

Converting Colors

CIELCh(90, 18.378, 209.566)

Have a look what the booklet for
CIELCh(90, 18.378, 209.566)
contains.

CIELCh(90, 18.252, 209.862)	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, 18.252, 209.862)

Conversions

Conversions Part 1

Format	Color
Hex	B5ECF3
RGB	181, 236, 243
RGB Percent	71%, 93%, 95%
CMY	0.2901, 0.0744, 0.0470
CMYK	0.26, 0.03, 0.00, 0.05
HSL	187°, 72%, 83%
HSV	187°, 26%, 95%
XYZ	65.2446, 76.3034, 96.1019
YIQ	220.3530, -35.0270, -9.4830

Conversions

Conversions Part 2

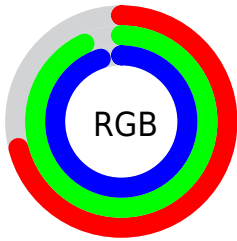
Format	Color
R_{YB}	181, 210, 243
Decimal	11922675
CIE Lab	90.00, -15.83, -9.09
CIE LCh	90, 18.252, 209.862
Yxy	76.3034, 0.2745, 0.3211
Android (android.graphics.Color)	4290112755 (0xFFB5ECF3)
YUV	220.3530, 11.1650, -34.5126
Hunter-Lab	87.3518, -19.5407, -4.0829

Details

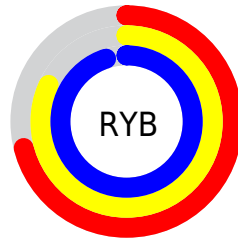
The CIELCh color `90, 18.252, 209.862` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `81, 21.843, 30.718`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 5.840, 199.149`, and `70, 18.354, 210.182` is the 20% darker color. If you saturate the color by 10%, you get `88, 24.397, 210.034`, and if you desaturate by 10%, it is `92, 11.475, 209.831`.

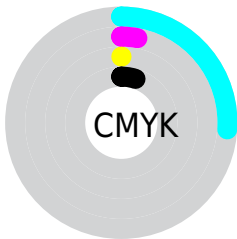
Distribution



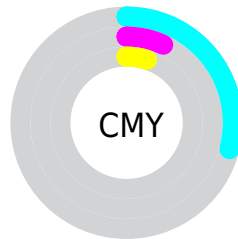
- Red (71%)
- Green (93%)
- Blue (95%)



- Red (71%)
- Yellow (82%)
- Blue (95%)



- Cyan (26%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (29%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 18.252, 209.862 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, 18.252, 209.862 by changing the saturation by 10% instead.

■ 90, 18.252,
209.862

■ 90, 18.252,
209.862

■ 100, 18.252,
209.862

■ 80, 18.252,
209.862

■ 70, 18.252,
209.862

■ 60, 18.252,
209.862

■ 50, 18.252,
209.862

■ 40, 18.252,
209.862

■ 30, 18.252,
209.862

■ 20, 18.252,

209.862

■ 10, 18.252,
209.862

■ 0, 18.252, 209.862

■ 90, 18.252,
209.862

■ 90, 18.252,
209.862

■ 88, 24.397,
210.034

■ 92, 11.475,
209.831

■ 86, 29.784,
210.389

■ 95, 4.191, 209.992

■ 85, 34.293,
210.959

■ 97, 3.487, 29.804

■ 98, 3.471, 54.969

■ 83, 37.834,
211.787

■ 98, 3.871, 81.017

■ 82, 40.359,
212.920

■ 99, 4.867, 99.213

■ 81, 41.882,
214.404

■ 100, 6.060,
109.712

■ 80, 42.507,
216.276

■ 79, 42.607,
217.209

Harmonies

Complementary

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



90, 18.252, 209.862



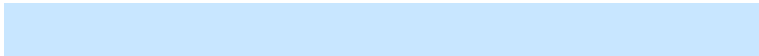
81, 21.843, 30.718

Rectangle

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



90, 18.252, 209.862



90, 18.252, 259.862



90, 18.252, 29.862



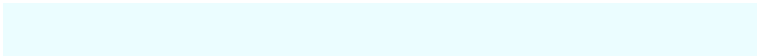
90, 18.252, 79.862

Sweetspot

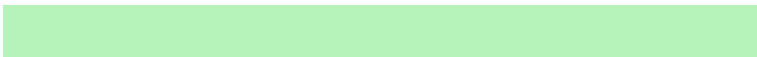
The Sweet Spot groups the original color and five complimentary colors.



90, 18.252, 209.857



98, 6.284, 209.920



91, 36.609, 145.482



52, 4.448, 209.891



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, 18.252, 209.857



93, 22.567, 209.936



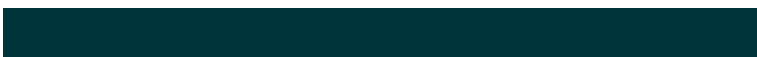
82, 21.043, 269.360



50, 4.302, 209.892



62, 34.921, 216.821



19, 15.689, 213.789

Inverse Universe

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



81, 36.337, 329.171



81, 45.830, 329.509



88, 21.656, 82.069



48, 8.105, 328.197



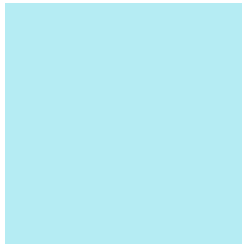
43, 83.499, 333.307



10, 37.560, 332.562

Previews

White Background



This preview shows how the CIE LCh color 90, 18.252, 209.862 looks on a white background.

Color Contrast Check

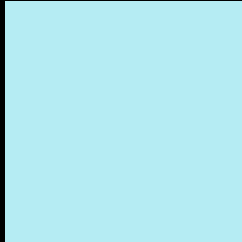
Large Text (above 18pt) WCAG AA × Fail

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, 18.252, 209.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

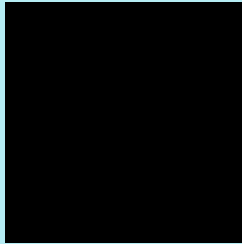
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 18.252, 209.862

Background



This preview shows how black text looks on a background with the CIELCh color 90, 18.252, 209.862.




This preview shows how white text looks on a background with the CIELCh color 90, 18.252, 209.862.

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



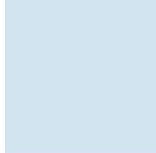


Tritanopia
90, 18.832, 230.341

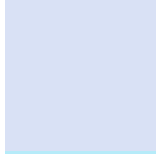
Trichromacy



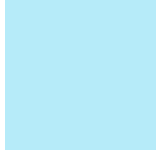
Original Color
90, 18.252, 209.862



Protanomaly
90, 8.314, 242.760

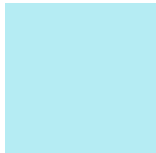


Deuteranomaly
89, 10.706, 276.256

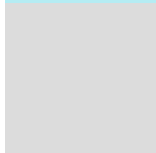


Tritanomaly
90, 18.402, 221.845

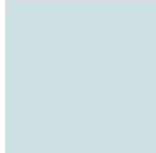
Monochromacy



Original Color
90, 18.252, 209.862



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 7.022, 207.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 18.252, 209.862 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(181, 236, 243)` looks like.

```
.text, #text, p{  
    color:rgb(181, 236, 243)  
}
```

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(181, 236, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 236, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 18.252, 209.862 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(181, 236, 243) }
```

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

```
.border{ border-color:rgb(181, 236, 243) }
```

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

Here you see how a box with a 4 pixel rgb(181, 236, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 236, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 236, 243);  
box-shadow:4px 4px 4px 4px rgb(181, 236,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 18.252, 209.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 236, 243) }
```

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

```
.background{ background-color: rgb(181,  
236, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor