

Converting Colors

CIELCh(90, 18.109, 206.866)

Have a look what the booklet for
CIELCh(90, 18.109, 206.866)
contains.

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Color

CIElCh(90, 18.183, 206.542)

Conversions

Conversions Part 1

Format	Color
Hex	B5ECF1
RGB	181, 236, 241
RGB Percent	71%, 93%, 95%
CMY	0.2895, 0.0738, 0.0542
CMYK	0.25, 0.02, 0.00, 0.05
HSL	185°, 68%, 83%
HSV	185°, 25%, 95%
XYZ	65.0505, 76.3034, 94.6623
YIQ	220.1250, -34.3850, -10.1050

Conversions

Conversions Part 2

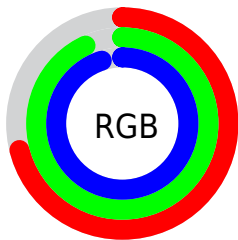
Format	Color
R _Y B	181, 210, 241
Decimal	11922673
CIE Lab	90.00, -16.27, -8.13
CIE LCh	90, 18.183, 206.542
Yxy	76.3034, 0.2756, 0.3233
Android (android.graphics.Color)	4290112753 (0xFFB5ECF1)
YUV	220.1250, 10.2914, -34.3126
Hunter-Lab	87.3518, -19.9376, -3.1058

Details

The CIELCh color `90, 18.183, 206.542` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `80, 21.638, 28.050`, 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, 18.299, 206.679` is the 20% darker color. If you saturate the color by 10%, you get `88, 24.487, 206.525`, and if you desaturate by 10%, it is `92, 11.241, 206.673`.

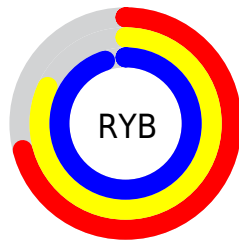
Distribution



Red (71%)

Green (93%)

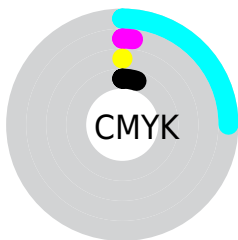
Blue (95%)



Red (71%)

Yellow (82%)

Blue (95%)

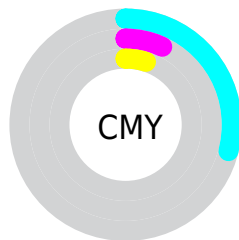


Cyan (25%)

Magenta (2%)

Yellow (0%)

Black (5%)



Cyan (29%)


Magenta (7%)


Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 18.183, 206.542 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, 18.183, 206.542 by changing the saturation by 10% instead.


 90, 18.183,
206.542


 90, 18.183,
206.542


 100, 18.183,
206.542


 80, 18.183,
206.542


 70, 18.183,
206.542

 60, 18.183,
206.542

 50, 18.183,
206.542

 40, 18.183,
206.542

 30, 18.183,
206.542

 20, 18.183,

206.542

■ 10, 18.183,
206.542

■ 0, 18.183, 206.542

■ 90, 18.183,
206.542

■ 90, 18.183,
206.542

■ 88, 24.487,
206.525

■ 92, 11.241,
206.673

■ 87, 30.022,
206.655

■ 94, 3.787, 206.988

■ 85, 34.669,
206.952

■ 96, 4.061, 26.935

■ 97, 4.129, 41.488

■ 84, 38.332,
207.448

■ 98, 4.026, 59.016

83, 40.960,
208.172

98, 4.300, 75.798

82, 42.565,
209.158

98, 4.887, 89.532

81, 43.237,
210.426

99, 5.688, 99.844

99, 6.626, 107.407

81, 43.340,
211.161

Harmonies

Complementary

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



90, 18.183, 206.542



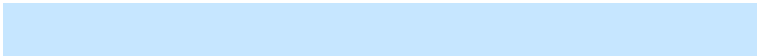
80, 21.638, 28.050

Rectangle

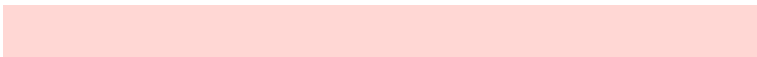
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



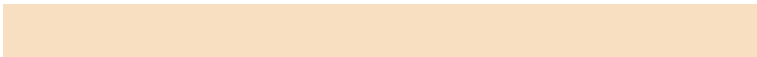
90, 18.183, 206.542



90, 18.183, 256.542



90, 18.183, 26.542



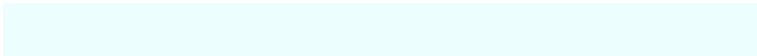
90, 18.183, 76.542

Sweetspot

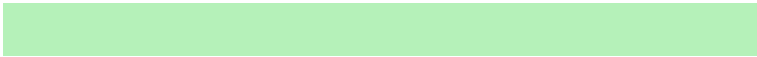
The Sweet Spot groups the original color and five complimentary colors.



90, 18.183, 206.537



98, 5.654, 206.887



90, 36.320, 144.572



52, 3.668, 206.865



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, 18.183, 206.537



94, 22.485, 206.514



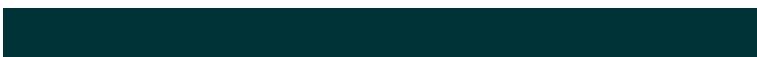
82, 19.645, 266.114



49, 4.337, 206.804



63, 35.368, 210.882



19, 15.614, 208.667

Inverse Universe

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



81, 35.943, 328.205



82, 45.277, 328.509



87, 20.457, 79.026



47, 8.132, 327.292



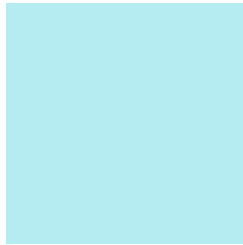
43, 84.588, 331.850



10, 37.263, 331.307

Previews

White Background



This preview shows how the CIELCh color 90, 18.183, 206.542 looks on a white background.

Color Contrast Check

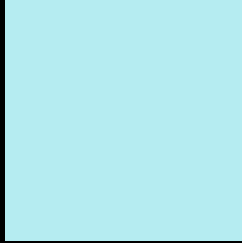
Large Text (above 18pt) WCAG AA × Fail

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, 18.183, 206.542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

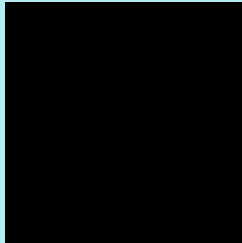
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 18.183, 206.542

Background



This preview shows how black text looks on a background with the CIELCh color 90, 18.183, 206.542.

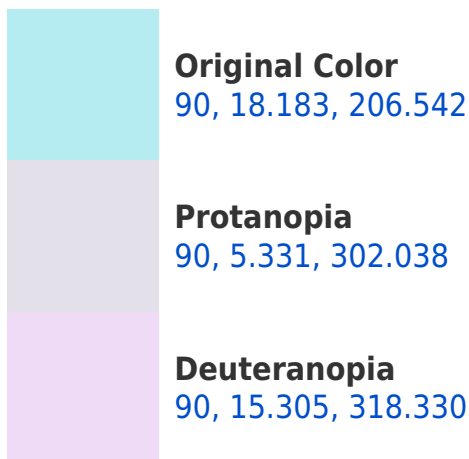



This preview shows how white text looks on a background with the CIELCh color 90, 18.183, 206.542.

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



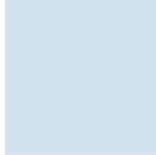


Tritanopia
90, 18.581, 230.834

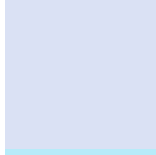
Trichromacy



Original Color
90, 18.183, 206.542



Protanomaly
90, 7.677, 236.811



Deuteranomaly
90, 10.127, 277.303

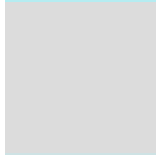


Tritanomaly
90, 18.130, 222.233

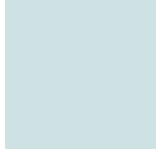
Monochromacy



Original Color
90, 18.183, 206.542



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, 18.183, 206.542 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(181, 236, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 236, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 18.183, 206.542 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, 241) }
```

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

```
.border{ border-color:rgb(181, 236, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 236, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 236, 241);  
box-shadow:4px 4px 4px 4px rgb(181, 236,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 18.183, 206.542 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, 241) }
```

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

```
.background{ background-color: rgb(181,  
236, 241) }
```

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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