

Converting Colors

CIELCh(91, 18.241, 220.243)

Have a look what the booklet for
CIELCh(91, 18.241, 220.243)
contains.

CIELCh(91, 18.234, 220.236)	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(91, 18.234, 220.236)

Conversions

Conversions Part 1

Format	Color
Hex	B9EEFB
RGB	185, 238, 251
RGB Percent	73%, 93%, 98%
CMY	0.2742, 0.0664, 0.0154
CMYK	0.26, 0.05, 0.00, 0.02
HSL	192°, 89%, 86%
HSV	192°, 26%, 98%
XYZ	68.0437, 78.4833, 102.8894
YIQ	223.6350, -35.7610, -7.1930

Conversions

Conversions Part 2

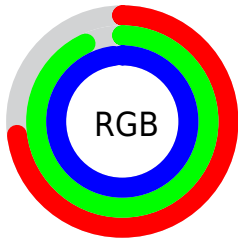
Format	Color
R_{YB}	185, 214, 251
Decimal	12185339
CIE _{Lab}	91.00, -13.92, -11.78
CIE _{LCh}	91, 18.234, 220.236
Yxy	78.4833, 0.2728, 0.3147
Android (android.graphics.Color)	4290375419 (0xFFB9EEFB)
YUV	223.6350, 13.4909, -33.8829
Hunter-Lab	88.5908, -17.9339, -6.8459

Details

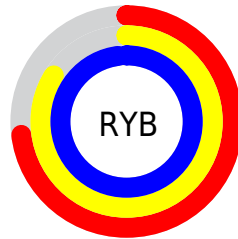
The CIELCh color **91, 18.234, 220.236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 21.853, 38.872**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 4.482, 199.269**, and **71, 18.213, 219.414** is the 20% darker color. If you saturate the color by 10%, you get **88, 24.214, 220.993**, and if you desaturate by 10%, it is **94, 11.667, 219.704**.

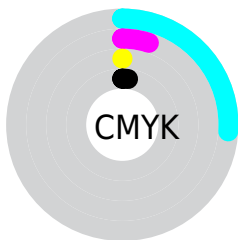
Distribution



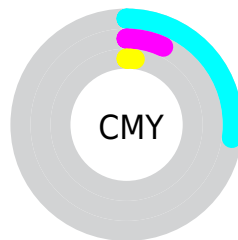
- Red (73%)
- Green (93%)
- Blue (98%)



- Red (73%)
- Yellow (84%)
- Blue (98%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)





- Cyan (27%)
- Magenta (7%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 18.234, 220.236 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 91, 18.234, 220.236 by changing the saturation by 10% instead.


 91, 18.234,
220.236


 91, 18.234,
220.236


 100, 18.234,
220.236


 81, 18.234,
220.236


 71, 18.234,
220.236

 61, 18.234,
220.236


 51, 18.234,
220.236

 41, 18.234,
220.236


 31, 18.234,
220.236


 21, 18.234,

220.236


 11, 18.234,
220.236


 1, 18.234, 220.236

 91, 18.234,
220.236

 91, 18.234,
220.236

 88, 24.214,
220.993


 94, 11.667,
219.704


 86, 29.493,
222.045

 97, 4.626, 219.419

 84, 33.964,
223.454

 99, 1.171, 71.240

 81, 37.551,
225.301

 100, 1.980,
109.991

■ 79, 40.225,
227.672

■ 78, 42.033,
230.647

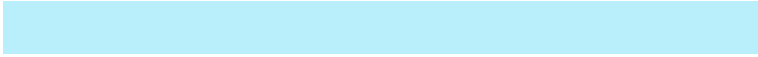
■ 76, 43.119,
234.267

■ 75, 43.437,
235.713

Harmonies

Complementary

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



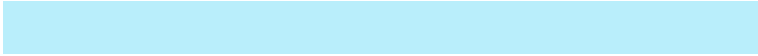
91, 18.234, 220.236



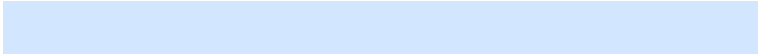
84, 21.853, 38.872

Rectangle

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



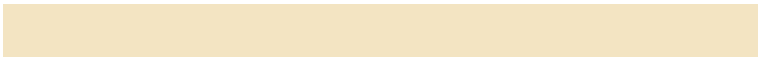
91, 18.234, 220.236



91, 18.234, 270.236



91, 18.234, 40.236



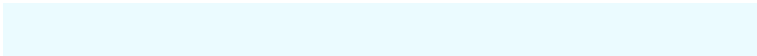
91, 18.234, 90.236

Sweetspot

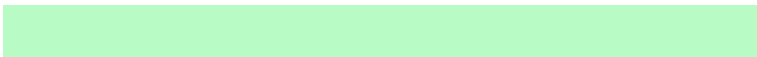
The Sweet Spot groups the original color and five complimentary colors.



91, 18.234, 220.231



98, 5.935, 219.442



93, 36.480, 148.012



52, 4.201, 219.475



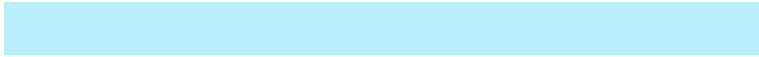
0, 0.000, 0.000



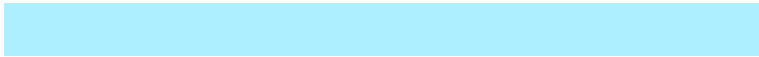
53, 0.007, 296.813

Same Dimension

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



91, 18.234, 220.231



91, 22.002, 220.637



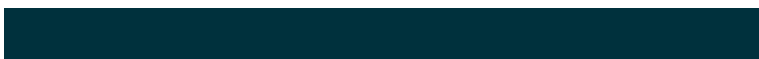
83, 24.580, 276.386



51, 4.133, 219.474



58, 34.990, 234.960



18, 15.717, 229.526

Inverse Universe

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



83, 36.271, 332.107



80, 44.633, 332.500



92, 24.595, 89.063



49, 7.770, 330.987



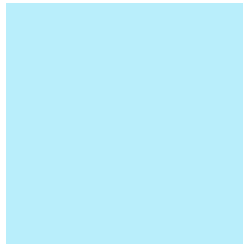
43, 79.078, 337.988



11, 36.453, 336.521

Previews

White Background



This preview shows how the CIE LCh color 91, 18.234, 220.236 looks on a white background.

Color Contrast Check

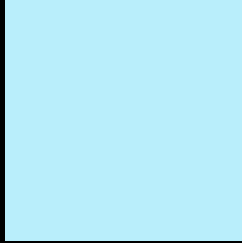
Large Text (above 18pt) WCAG AA × Fail

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 91, 18.234, 220.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

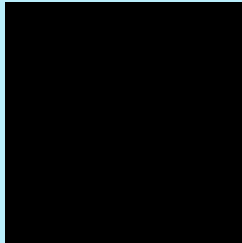
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 18.234, 220.236

Background



This preview shows how black text looks on a background with the CIELCh color 91, 18.234, 220.236.



This preview shows how white text looks on a background with the CIELCh color 91, 18.234, 220.236.

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](#).

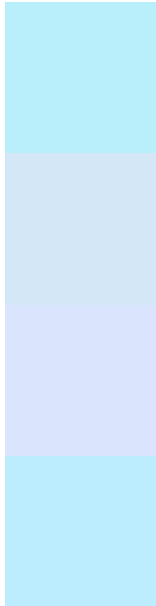
Dichromacy





Tritanopia
91, 18.080, 229.807

Trichromacy



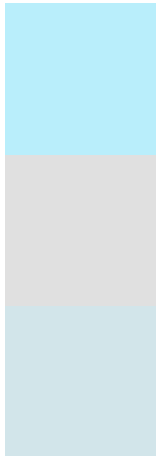
Original Color
91, 18.234, 220.236

Protanomaly
91, 10.370, 252.537

Deuteranomaly
91, 13.261, 278.005

Tritanomaly
91, 18.125, 227.792

Monochromacy



Original Color
91, 18.234, 220.236

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 7.016, 220.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 18.234, 220.236 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(185, 238, 251)` looks like.

```
.text, #text, p{  
    color:rgb(185, 238, 251)  
}
```

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(185, 238, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 238, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 18.234, 220.236 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(185, 238, 251) }
```

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

```
.border{ border-color:rgb(185, 238, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 238, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 238, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 238, 251);  
box-shadow:4px 4px 4px 4px rgb(185, 238,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 18.234, 220.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 238, 251) }
```

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

```
.background{ background-color: rgb(185,  
238, 251) }
```

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