

Converting Colors

CIELCh(90, 19.757, 244.006)

Have a look what the booklet for
CIELCh(90, 19.757, 244.006)
contains.

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Color

CIElCh(90, 18.386, 237.343)

Conversions

Conversions Part 1

Format	Color
Hex	BBE9FF
RGB	187, 233, 255
RGB Percent	73%, 91%, 100%
CMY	0.2654, 0.0850, 0.0000
CMYK	0.27, 0.09, 0.00, 0.00
HSL	199°, 100%, 87%
HSV	199°, 27%, 100%
XYZ	67.9014, 76.3034, 106.0306
YIQ	221.7540, -34.4780, -2.9100

Conversions

Conversions Part 2

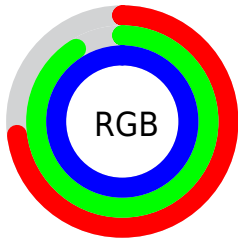
Format	Color
RYB	187, 214, 255
Decimal	12315135
CIELab	90.00, -9.92, -15.48
CIELCh	90, 18.386, 237.343
Yxy	76.3034, 0.2714, 0.3049
Android (android.graphics.Color)	4290505215 (0xFFBBE9FF)
YUV	221.7540, 16.3903, -30.4793
Hunter-Lab	87.3518, -14.1117, -10.8220

Details

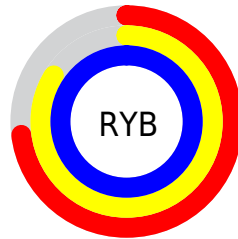
The CIELCh color **90, 18.386, 237.343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **87, 21.308, 52.192**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.799, 199.339**, and **70, 18.373, 237.534** is the 20% darker color. If you saturate the color by 10%, you get **86, 24.470, 238.449**, and if you desaturate by 10%, it is **94, 11.683, 235.650**.

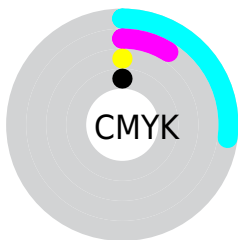
Distribution



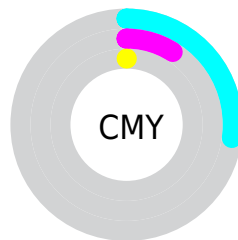
- Red (73%)
- Green (91%)
- Blue (100%)



- Red (73%)
- Yellow (84%)
- Blue (100%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 18.386, 237.343 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, 18.386, 237.343 by changing the saturation by 10% instead.

■ 90, 18.386,
237.343

■ 90, 18.386,
237.343

■ 100, 18.386,
237.343

■ 80, 18.386,
237.343

■ 70, 18.386,
237.343

■ 60, 18.386,
237.343

■ 50, 18.386,
237.343

■ 40, 18.386,
237.343

■ 30, 18.386,
237.343

■ 20, 18.386,

237.343

■ 10, 18.386,
237.343

■ 0, 18.386, 237.343

■ 90, 18.386,
237.343

■ 90, 18.386,
237.343

■ 86, 24.470,
238.449

■ 94, 11.683,
235.650

■ 83, 30.129,
240.425

■ 97, 4.718, 234.733

■ 80, 35.209,
242.899

100, 0.012,
296.813

■ 77, 39.679,
245.962

■ 74, 43.565,
249.689

■ 71, 46.976,
254.107

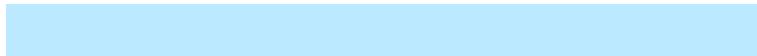
■ 68, 50.105,
259.138

■ 67, 51.199,
260.915

Harmonies

Complementary

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



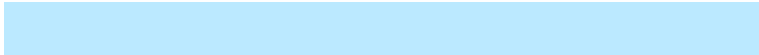
90, 18.386, 237.343



87, 21.308, 52.192

Rectangle

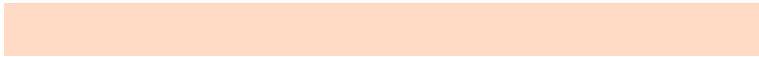
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 18.386, 237.343



90, 18.386, 287.343



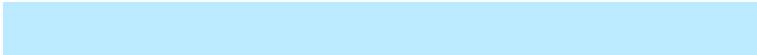
90, 18.386, 57.343



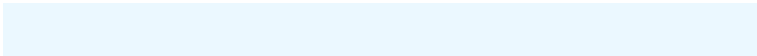
90, 18.386, 107.343

Sweetspot

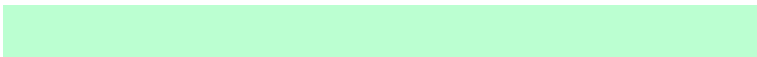
The Sweet Spot groups the original color and five complimentary colors.



90, 18.295, 236.882



97, 5.752, 234.841



95, 33.755, 152.824



51, 4.075, 234.965



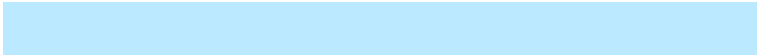
0, 0.000, 0.000



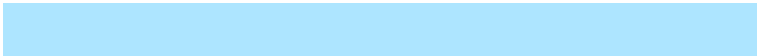
53, 0.007, 296.813

Same Dimension

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



90, 18.295, 236.882



88, 21.724, 237.691



81, 29.513, 285.036



51, 4.075, 234.965



52, 40.839, 259.938



16, 17.670, 252.770

Inverse Universe

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



83, 34.054, 337.081



80, 41.024, 337.538



95, 28.522, 98.311



50, 7.235, 335.752



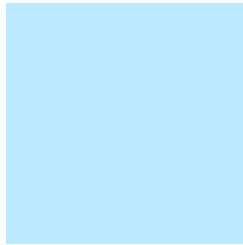
42, 73.386, 346.465



11, 34.596, 343.610

Previews

White Background



This preview shows how the CIE LCh color 90, 18.386, 237.343 looks on a white background.

Color Contrast Check

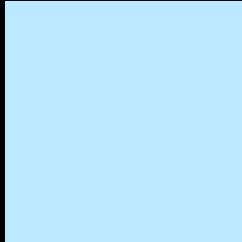
Large Text (above 18pt) WCAG AA × Fail

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, 18.386, 237.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

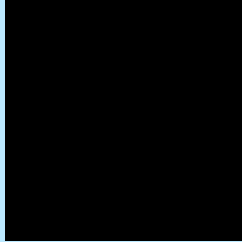
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

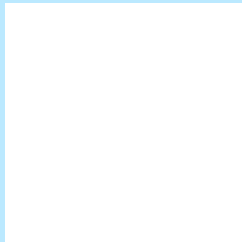
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 18.386, 237.343

Background



This preview shows how black text looks on a background with the CIELCh color 90, 18.386, 237.343.



This preview shows how white text looks on a background with the CIELCh color 90, 18.386, 237.343.

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, 18.386, 237.343

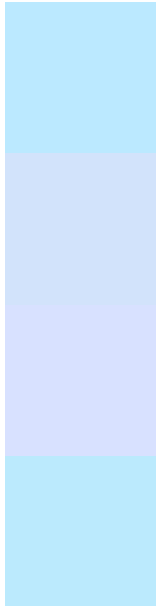
Protanopia
90, 13.010, 289.733

Deuteranopia
90, 18.159, 303.469



Tritanopia
90, 17.595, 230.877

Trichromacy



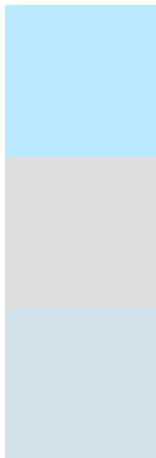
Original Color
90, 18.386, 237.343

Protanomaly
90, 13.581, 266.424

Deuteranomaly
90, 15.827, 280.486

Tritanomaly
90, 17.832, 232.404

Monochromacy



Original Color
90, 18.386, 237.343

Achromatopsia
88, 0.011, 296.813

Achromatomaly
89, 7.127, 235.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 18.386, 237.343 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 233, 255)  
}
```

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, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 18.386, 237.343 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, 233, 255) }
```

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

```
.border{ border-color:rgb(187, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 233,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 18.386, 237.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 233, 255) }
```

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

```
.background{ background-color: rgb(187,  
233, 255) }
```

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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