

Converting Colors

CIELCh(91, 16.355, 240.049)

Have a look what the booklet for
CIELCh(91, 16.355, 240.049)
contains.

CIELCh(91, 16.151, 238.935)	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, 16.151, 238.935)

Conversions

Conversions Part 1

Format	Color
Hex	C4EBFF
RGB	196, 235, 255
RGB Percent	77%, 92%, 100%
CMY	0.2308, 0.0778, 0.0000
CMYK	0.23, 0.08, 0.00, 0.00
HSL	200°, 100%, 88%
HSV	200°, 23%, 100%
XYZ	70.6248, 78.4833, 106.1580
YIQ	225.6190, -29.6640, -2.0480

Conversions

Conversions Part 2

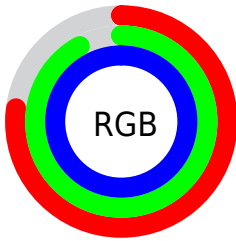
Format	Color
R _Y B	196, 219, 255
Decimal	12905471
CIE Lab	91.00, -8.33, -13.83
CIE LCh	91, 16.151, 238.935
Yxy	78.4833, 0.2767, 0.3075
Android (android.graphics.Color)	4291095551 (0xFFC4EBFF)
YUV	225.6190, 14.4848, -25.9759
Hunter-Lab	88.5908, -12.7333, -9.0334

Details

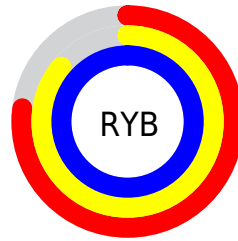
The CIELCh color **91, 16.151, 238.935** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **89, 18.250, 54.349**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.695, 200.315**, and **71, 16.131, 238.926** is the 20% darker color. If you saturate the color by 10%, you get **87, 22.504, 240.229**, and if you desaturate by 10%, it is **95, 9.327, 237.496**.

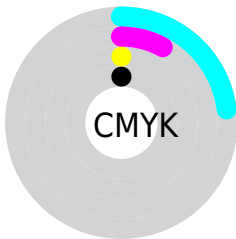
Distribution



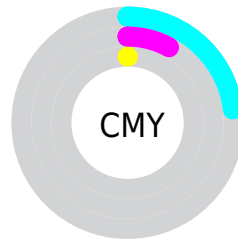
- Red (77%)
- Green (92%)
- Blue (100%)



- Red (77%)
- Yellow (86%)
- Blue (100%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 16.151, 238.935 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, 16.151, 238.935 by changing the saturation by 10% instead.

■ 91, 16.151,
238.935

■ 91, 16.151,
238.935

■ 100, 16.151,
238.935

■ 81, 16.151,
238.935

■ 71, 16.151,
238.935

■ 61, 16.151,
238.935

■ 51, 16.151,
238.935

■ 41, 16.151,
238.935

■ 31, 16.151,
238.935

■ 21, 16.151,

238.935

■ 11, 16.151,
238.935

■ 1, 16.151, 238.935

■ 91, 16.151,
238.935

■ 91, 16.151,
238.935

■ 87, 22.504,
240.229

■ 95, 9.327, 237.496

■ 99, 2.240, 236.707

■ 84, 28.442,
242.147

100, 0.012,
296.813

■ 80, 33.857,
244.538

■ 77, 38.711,
247.493

■ 74, 43.016,
251.088

■ 71, 46.857,
255.361

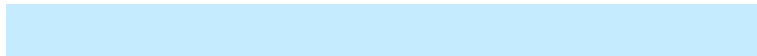
■ 68, 50.399,
260.262

■ 66, 52.828,
263.856

Harmonies

Complementary

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



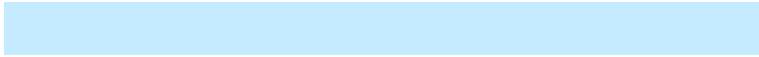
91, 16.151, 238.935



89, 18.250, 54.349

Rectangle

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



91, 16.151, 238.935



91, 16.151, 288.935



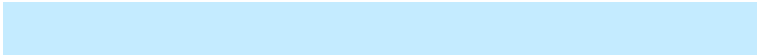
91, 16.151, 58.935



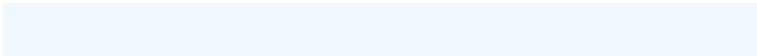
91, 16.151, 108.935

Sweetspot

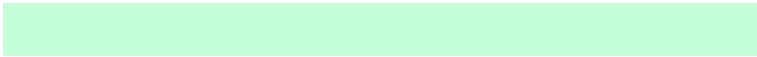
The Sweet Spot groups the original color and five complimentary colors.



91, 16.107, 238.700



97, 5.049, 236.923



95, 28.999, 153.828



52, 3.277, 236.973



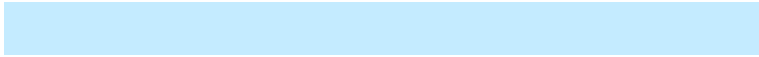
0, 0.000, 0.000



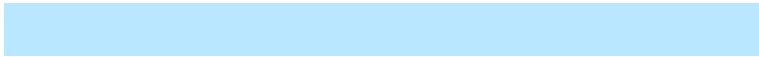
53, 0.007, 296.813

Same Dimension

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



91, 16.107, 238.700



89, 19.306, 239.409



83, 26.023, 285.381



51, 4.082, 237.141



51, 42.094, 262.877



16, 18.072, 255.638

Inverse Universe

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



85, 29.252, 337.551



82, 35.510, 337.962



96, 25.202, 99.710



50, 7.148, 336.479



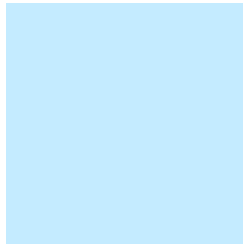
42, 72.653, 347.789



11, 34.260, 344.696

Previews

White Background



This preview shows how the CIE LCh color 91, 16.151, 238.935 looks on a white background.

Color Contrast Check

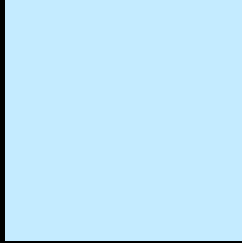
Large Text (above 18pt) WCAG AA × Fail

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, 16.151, 238.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

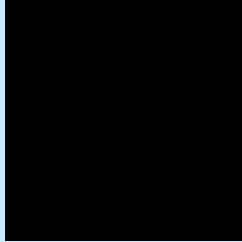
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

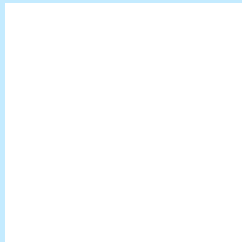
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 16.151, 238.935

Background



This preview shows how black text looks on a background with the CIELCh color 91, 16.151, 238.935.

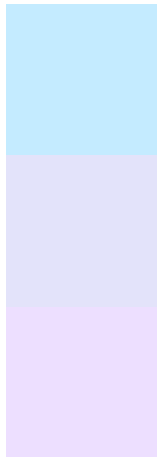


This preview shows how white text looks on a background with the CIELCh color 91, 16.151, 238.935.

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

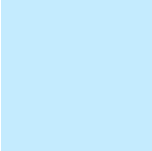
91, 16.151, 238.935

Protanopia

91, 11.942, 291.138

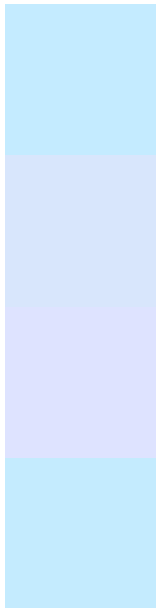
Deuteranopia

91, 17.376, 307.469



Tritanopia
91, 15.860, 237.370

Trichromacy



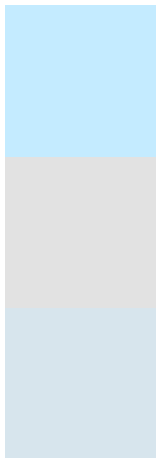
Original Color
91, 16.151, 238.935

Protanomaly
91, 12.239, 268.450

Deuteranomaly
91, 14.602, 284.727

Tritanomaly
91, 15.860, 237.370

Monochromacy



Original Color
91, 16.151, 238.935

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 6.316, 240.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 16.151, 238.935 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(196, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 235, 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(196, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 235, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 16.151, 238.935 is called "border". The border property can be set on classes, ids or directly on the HTML element.

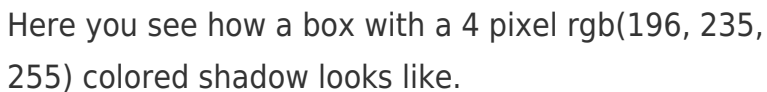
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 235, 255) }
```

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

```
.border{ border-color:rgb(196, 235, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 235, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 235, 255); box-shadow:4px 4px 4px 4px rgb(196, 235, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 16.151, 238.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 235, 255) }
```

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

```
.background{ background-color: rgb(196,  
235, 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](#).

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