

Converting Colors

CIELCh(91, 32.445, 238.555)

Have a look what the booklet for
CIELCh(91, 32.445, 238.555)
contains.

CIELCh(90, 28.197, 212.836)	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, 28.197, 212.836)

Conversions

Conversions Part 1

Format	Color
Hex	96F1FF
RGB	150, 241, 255
RGB Percent	59%, 95%, 100%
CMY	0.4134, 0.0565, 0.0016
CMYK	0.41, 0.05, 0.00, 0.00
HSL	188°, 99%, 79%
HSV	188°, 41%, 100%
XYZ	61.8170, 76.3034, 105.7260
YIQ	215.3870, -58.7300, -14.9380

Conversions

Conversions Part 2

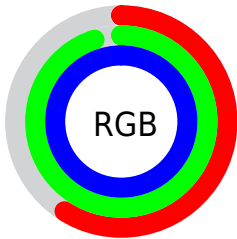
Format	Color
R_{YB}	150, 199, 255
Decimal	9892351
CIE _{Lab}	90.00, -23.69, -15.29
CIE _{LCh}	90, 28.197, 212.836
Yxy	76.3034, 0.2535, 0.3129
Android (android.graphics.Color)	4288082431 (0xFF96F1FF)
YUV	215.3870, 19.5292, -57.3444
Hunter-Lab	87.3518, -26.5450, -10.6152

Details

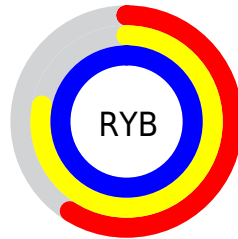
The CIELCh color **90, 28.197, 212.836** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **76, 38.532, 33.585**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.627, 198.466**, and **70, 28.251, 212.125** is the 20% darker color. If you saturate the color by 10%, you get **88, 33.210, 213.485**, and if you desaturate by 10%, it is **92, 22.340, 212.410**.

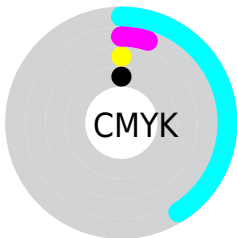
Distribution



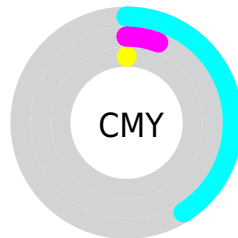
- Red (59%)
- Green (95%)
- Blue (100%)



- Red (59%)
- Yellow (78%)
- Blue (100%)



- Cyan (41%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (6%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 28.197, 212.836 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, 28.197, 212.836 by changing the saturation by 10% instead.


 90, 28.197,
212.836


 90, 28.197,
212.836


 100, 28.197,
212.836


 80, 28.197,
212.836

 70, 28.197,
212.836

 60, 28.197,
212.836

 50, 28.197,
212.836

 40, 28.197,
212.836

 30, 28.197,
212.836

 20, 28.197,

212.836

■ 10, 28.197,
212.836

■ 0, 28.197, 212.836

■ 90, 28.197,
212.836

■ 90, 28.197,
212.836

■ 88, 33.210,
213.485

■ 92, 22.340,
212.410

■ 86, 37.273,
214.416

■ 94, 15.766,
212.175

■ 85, 40.314,
215.681

■ 97, 8.604, 212.108

■ 83, 42.324,
217.342

■ 100, 0.975,
212.722

100, 0.199,

■ 82, 43.372,
219.448

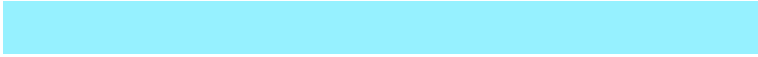
109.775

■ 81, 43.693,
221.641

Harmonies

Complementary

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



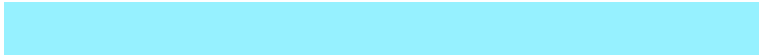
90, 28.197, 212.836



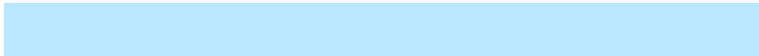
76, 38.532, 33.585

Rectangle

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



90, 28.197, 212.836



90, 28.197, 262.836



90, 28.197, 32.836



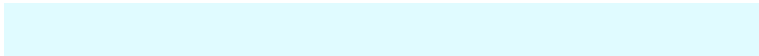
90, 28.197, 82.836

Sweetspot

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



90, 28.197, 212.833



97, 9.176, 212.106



92, 60.245, 144.435



51, 6.064, 212.107



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

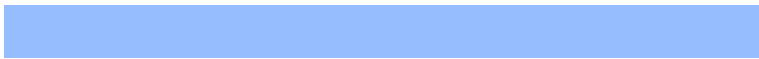
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 28.197, 212.833



89, 32.207, 213.317



76, 36.255, 274.198



52, 4.378, 212.116



62, 35.265, 221.150



21, 16.347, 217.779

Inverse Universe

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



76, 59.482, 330.824



72, 69.784, 331.306



88, 37.606, 81.381



50, 8.263, 328.846



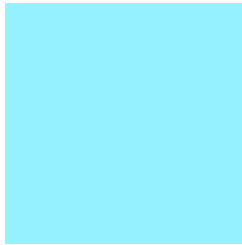
44, 83.836, 334.379



12, 39.053, 333.543

Previews

White Background



This preview shows how the CIE LCh color 90, 28.197, 212.836 looks on a white background.

Color Contrast Check

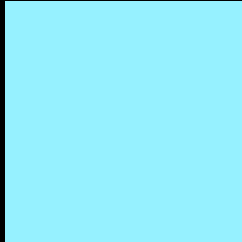
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 28.197, 212.836 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, 28.197, 212.836

Background



This preview shows how black text looks on a background with the CIELCh color 90, 28.197, 212.836.

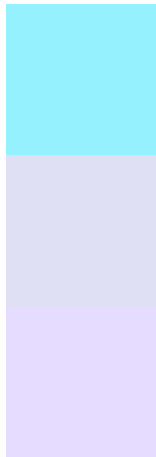


This preview shows how white text looks on a background with the CIELCh color 90, 28.197, 212.836.

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, 28.197, 212.836

Protanopia

90, 10.412, 291.027

Deuteranopia

90, 18.616, 302.132



Tritanopia
90, 24.531, 219.326

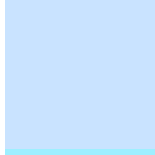
Trichromacy



Original Color
90, 28.197, 212.836



Protanomaly
90, 14.171, 240.432



Deuteranomaly
89, 16.660, 260.547

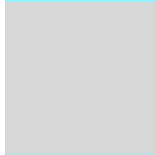


Tritanomaly
90, 25.910, 216.810

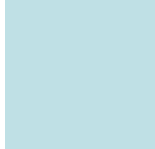
Monochromacy



Original Color
90, 28.197, 212.836



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 11.491, 211.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 28.197, 212.836 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(150, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 241, 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(150, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 241, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 28.197, 212.836 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(150, 241, 255) }
```

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

```
.border{ border-color:rgb(150, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 241, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 241, 255); box-shadow:4px 4px 4px 4px rgb(150, 241, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 28.197, 212.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 241, 255) }
```

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

```
.background{ background-color: rgb(150,  
241, 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