

Converting Colors

CIELCh(90, 22.053, 224.294)

Have a look what the booklet for
CIELCh(90, 22.053, 224.294)
contains.

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Color

CIElCh(90, 22.160, 223.378)

Conversions

Conversions Part 1

Format	Color
Hex	ACEDFF
RGB	172, 237, 255
RGB Percent	67%, 93%, 100%
CMY	0.3268, 0.0719, 0.0013
CMYK	0.33, 0.07, 0.00, 0.00
HSL	193°, 99%, 84%
HSV	193°, 33%, 100%
XYZ	65.1213, 76.3034, 105.6143
YIQ	219.6170, -44.5180, -8.1820

Conversions

Conversions Part 2

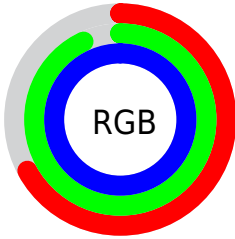
Format	Color
RYB	172, 208, 255
Decimal	11333119
CIELab	90.00, -16.11, -15.22
CIELCh	90, 22.160, 223.378
Yxy	76.3034, 0.2636, 0.3089
Android (android.graphics.Color)	4289523199 (0xFFACEDFF)
YUV	219.6170, 17.4438, -41.7601
Hunter-Lab	87.3518, -19.7928, -10.5394

Details

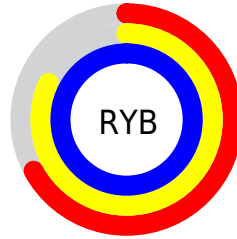
The CIELCh color **90, 22.160, 223.378** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 27.825, 40.939**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.853, 198.921**, and **70, 22.013, 223.203** is the 20% darker color. If you saturate the color by 10%, you get **87, 27.766, 224.467**, and if you desaturate by 10%, it is **93, 15.910, 222.571**.

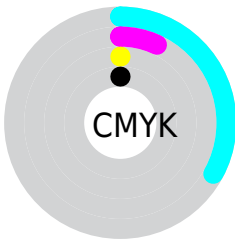
Distribution



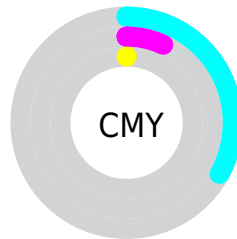
- Red (67%)
- Green (93%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 22.160, 223.378 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, 22.160, 223.378 by changing the saturation by 10% instead.


 90, 22.160,
223.378


 90, 22.160,
223.378


 100, 22.160,
223.378


 80, 22.160,
223.378

 70, 22.160,
223.378

 60, 22.160,
223.378

 50, 22.160,
223.378

 40, 22.160,
223.378

 30, 22.160,
223.378

 20, 22.160,

223.378

■ 10, 22.160,
223.378

■ 0, 22.160, 223.378

■ 90, 22.160,
223.378

■ 90, 22.160,
223.378

■ 87, 27.766,
224.467

■ 93, 15.910,
222.571

■ 85, 32.622,
225.918

■ 96, 9.130, 222.012

■ 82, 36.643,
227.813

■ 99, 1.925, 221.861

100, 0.162,
109.688

■ 80, 39.785,
230.241

■ 78, 42.073,
233.289

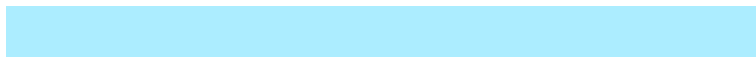
■ 76, 43.626,
237.013

■ 75, 44.479,
240.138

Harmonies

Complementary

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



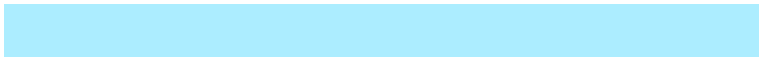
90, 22.160, 223.378



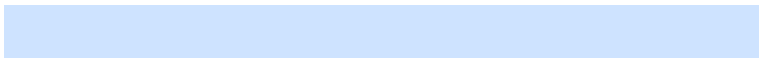
82, 27.825, 40.939

Rectangle

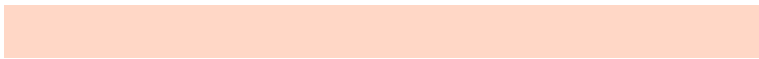
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 22.160, 223.378



90, 22.160, 273.378



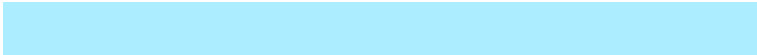
90, 22.160, 43.378



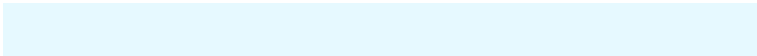
90, 22.160, 93.378

Sweetspot

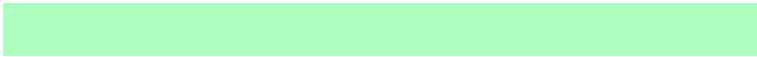
The Sweet Spot groups the original color and five complimentary colors.



90, 22.160, 223.374



97, 7.310, 221.907



93, 44.555, 148.529



51, 4.969, 221.961



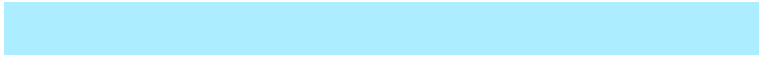
0, 0.000, 0.000



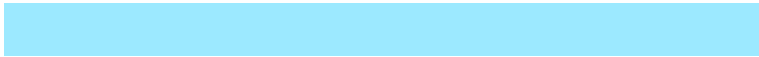
53, 0.007, 296.813

Same Dimension

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



90, 22.160, 223.374



88, 25.863, 224.038



79, 32.321, 279.979



52, 4.161, 221.889



58, 35.762, 239.328



19, 16.218, 233.646

Inverse Universe

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



80, 44.773, 333.292



77, 53.364, 333.756



92, 31.917, 90.785



50, 7.789, 331.699



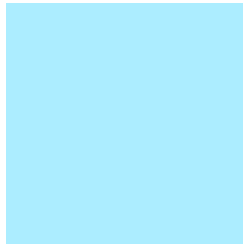
43, 78.698, 339.231



11, 36.911, 337.626

Previews

White Background



This preview shows how the CIELCh color 90, 22.160, 223.378 looks on a white background.

Color Contrast Check

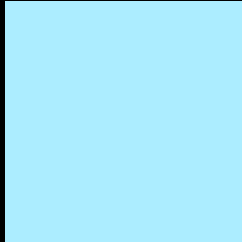
Large Text (above 18pt) WCAG AA × Fail

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, 22.160, 223.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

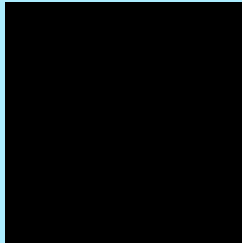
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 22.160, 223.378

Background



This preview shows how black text looks on a background with the CIELCh color 90, 22.160, 223.378.

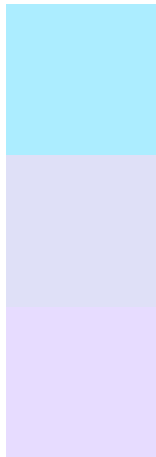


This preview shows how white text looks on a background with the CIELCh color 90, 22.160, 223.378.

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, 22.160, 223.378

Protanopia

90, 11.971, 289.514

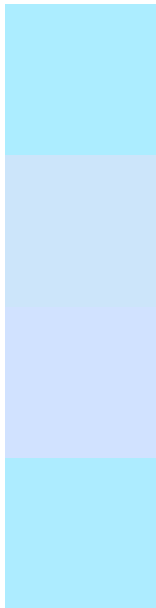
Deuteranopia

90, 18.683, 303.162



Tritanopia
90, 21.830, 225.373

Trichromacy



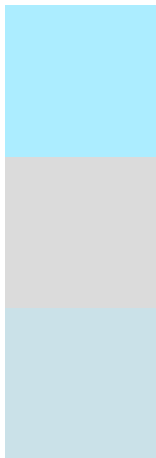
Original Color
90, 22.160, 223.378

Protanomaly
90, 13.536, 253.107

Deuteranomaly
89, 15.964, 270.730

Tritanomaly
90, 21.830, 225.373

Monochromacy



Original Color
90, 22.160, 223.378

Achromatopsia
87, 0.010, 296.813

Achromatomaly
88, 8.634, 224.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 22.160, 223.378 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(172, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 237, 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(172, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 237, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 22.160, 223.378 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(172, 237, 255) }
```

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

```
.border{ border-color:rgb(172, 237, 255) }
```

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

Here you see how a box with a 4 pixel rgb(172, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 237,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 22.160, 223.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 237, 255) }
```

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

```
.background{ background-color: rgb(172,  
237, 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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