

Converting Colors

CIELCh(90, 25.994, 228.005)

Have a look what the booklet for
CIELCh(90, 25.994, 228.005)
contains.

CIELCh(90, 24.780, 219.089)	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, 24.780, 219.089)

Conversions

Conversions Part 1

Format	Color
Hex	A2EEFF
RGB	162, 238, 255
RGB Percent	64%, 93%, 100%
CMY	0.3634, 0.0653, 0.0000
CMYK	0.36, 0.07, 0.00, 0.00
HSL	191°, 100%, 82%
HSV	191°, 36%, 100%
XYZ	63.7453, 76.3034, 106.2635
YIQ	217.2140, -50.7530, -10.8250

Conversions

Conversions Part 2

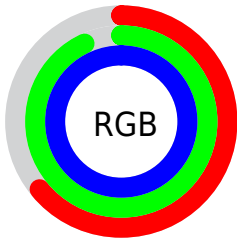
Format	Color
RYB	162, 204, 255
Decimal	10678015
CIELab	90.00, -19.23, -15.62
CIELCh	90, 24.780, 219.089
Yxy	76.3034, 0.2588, 0.3098
Android (android.graphics.Color)	4288868095 (0xFFA2EEFF)
YUV	217.2140, 18.6285, -48.4227
Hunter-Lab	87.3518, -22.6046, -10.9800

Details

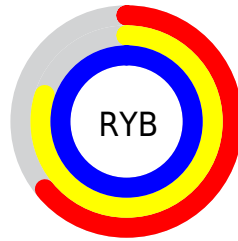
The CIELCh color **90, 24.780, 219.089** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 32.263, 37.427**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.803, 198.717**, and **70, 24.711, 218.694** is the 20% darker color. If you saturate the color by 10%, you get **88, 30.092, 219.586**, and if you desaturate by 10%, it is **93, 18.657, 218.027**.

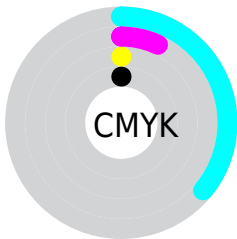
Distribution



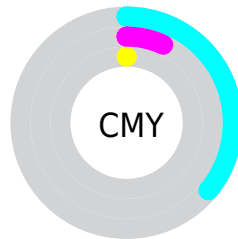
- Red (64%)
- Green (93%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 24.780, 219.089 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, 24.780, 219.089 by changing the saturation by 10% instead.

■ 90, 24.780,
219.089

■ 90, 24.780,
219.089

■ 100, 24.780,
219.089

■ 80, 24.780,
219.089

■ 70, 24.780,
219.089

■ 60, 24.780,
219.089

■ 50, 24.780,
219.089

■ 40, 24.780,
219.089

■ 30, 24.780,
219.089

■ 20, 24.780,

219.089

■ 10, 24.780,
219.089

■ 0, 24.780, 219.089

■ 90, 24.780,
219.089

■ 90, 24.780,
219.089

■ 88, 30.092,
219.586

■ 93, 18.657,
218.027

■ 85, 34.599,
220.830

■ 95, 11.960,
217.602

■ 83, 38.178,
222.479

■ 98, 4.768, 217.404

■ 81, 40.797,
224.615

100, 0.012,
296.813

■ 80, 42.497,
227.312

■ 78, 43.417,
230.617

■ 78, 43.658,
231.925

Harmonies

Complementary

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



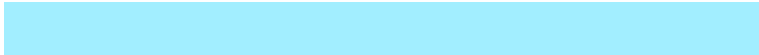
90, 24.780, 219.089



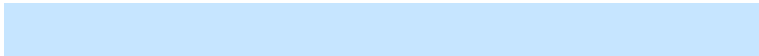
80, 32.263, 37.427

Rectangle

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



90, 24.780, 219.089



90, 24.780, 269.089



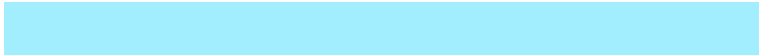
90, 24.780, 39.089



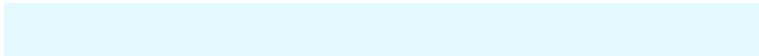
90, 24.780, 89.089

Sweetspot

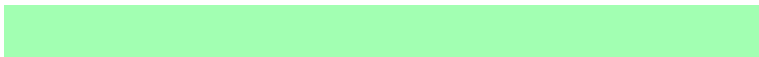
The Sweet Spot groups the original color and five complimentary colors.



90, 24.741, 218.673



97, 8.175, 217.460



93, 51.492, 146.492



51, 5.472, 217.490



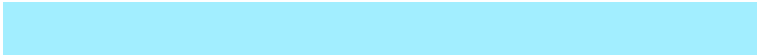
0, 0.000, 0.000



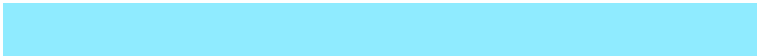
53, 0.007, 296.813

Same Dimension

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



90, 24.741, 218.673



88, 28.913, 219.345



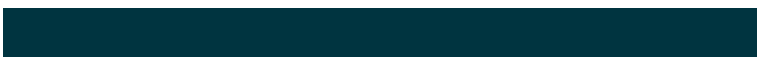
78, 34.003, 277.130



52, 4.242, 217.433



60, 35.136, 231.240



19, 16.135, 226.512

Inverse Universe

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



78, 51.128, 332.164



74, 61.318, 332.688



90, 34.249, 86.351



50, 7.996, 330.392



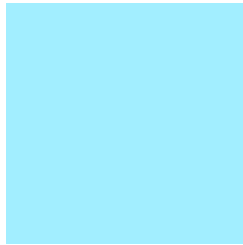
44, 80.898, 336.975



11, 37.835, 335.737

Previews

White Background



This preview shows how the CIELCh color 90, 24.780, 219.089 looks on a white background.

Color Contrast Check

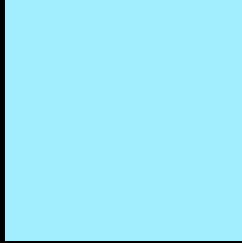
Large Text (above 18pt) WCAG AA × Fail

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, 24.780, 219.089 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, 24.780, 219.089

Background



This preview shows how black text looks on a background with the CIELCh color 90, 24.780, 219.089.

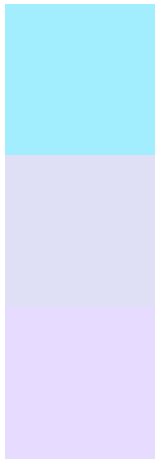


This preview shows how white text looks on a background with the CIELCh color 90, 24.780, 219.089.

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, 24.780, 219.089

Protanopia
90, 11.451, 289.395

Deuteranopia
90, 18.683, 303.162

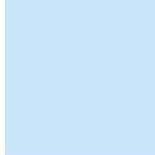


Tritanopia
90, 23.167, 222.162

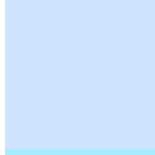
Trichromacy



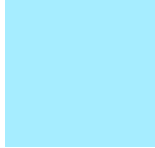
Original Color
90, 24.780, 219.089



Protanomaly
90, 13.749, 248.416



Deuteranomaly
90, 15.952, 265.580

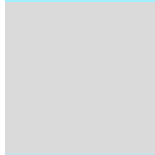


Tritanomaly
90, 23.667, 221.598

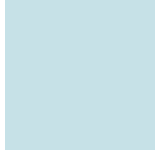
Monochromacy



Original Color
90, 24.780, 219.089



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 9.700, 217.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 24.780, 219.089 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(162, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 238, 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(162, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 238, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 24.780, 219.089 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(162, 238, 255) }
```

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

```
.border{ border-color:rgb(162, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 238,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 24.780, 219.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 238, 255) }
```

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

```
.background{ background-color: rgb(162,  
238, 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