

Converting Colors

CIELCh(90, 24.026, 218.788)

Have a look what the booklet for
CIELCh(90, 24.026, 218.788)
contains.

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Color

CIELCh(90, 23.914, 218.573)

Conversions

Conversions Part 1

Format	Color
Hex	A5EEFE
RGB	165, 238, 254
RGB Percent	65%, 93%, 100%
CMY	0.3529, 0.0667, 0.0039
CMYK	0.35, 0.06, 0.00, 0.00
HSL	191°, 98%, 82%
HSV	191°, 35%, 100%
XYZ	63.9803, 76.3034, 105.1205
YIQ	217.9970, -48.6440, -10.5000

Conversions

Conversions Part 2

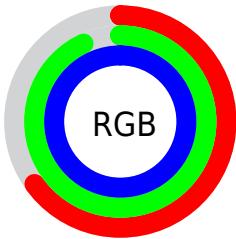
Format	Color
R _{YB}	165, 205, 254
Decimal	10874622
CIE _{Lab}	90.00, -18.70, -14.91
CIE _{LCh}	90, 23.914, 218.573
Y _{xy}	76.3034, 0.2607, 0.3109
Android (android.graphics.Color)	4289064702 (0xFFA5EEFE)
YUV	217.9970, 17.7495, -46.4784
Hunter-Lab	87.3518, -22.1244, -10.2043

Details

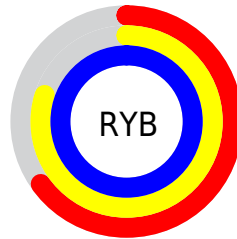
The CIELCh color **90, 23.914, 218.573** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80, 30.840, 37.375**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.827, 198.783**, and **70, 23.915, 218.039** is the 20% darker color. If you saturate the color by 10%, you get **88, 29.350, 219.444**, and if you desaturate by 10%, it is **93, 17.762, 217.956**.

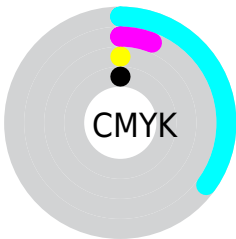
Distribution



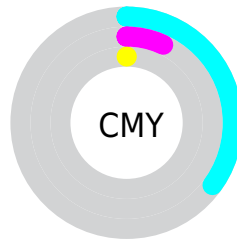
- Red (65%)
- Green (93%)
- Blue (100%)



- Red (65%)
- Yellow (80%)
- Blue (100%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 23.914, 218.573 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, 23.914, 218.573 by changing the saturation by 10% instead.


 90, 23.914,
218.573


 90, 23.914,
218.573


 100, 23.914,
218.573


 80, 23.914,
218.573

 70, 23.914,
218.573

 60, 23.914,
218.573

 50, 23.914,
218.573

 40, 23.914,
218.573

 30, 23.914,
218.573

 20, 23.914,

218.573

■ 10, 23.914,
218.573

■ 0, 23.914, 218.573

■ 90, 23.914,
218.573

■ 90, 23.914,
218.573

■ 88, 29.350,
219.444

■ 93, 17.762,
217.956

■ 85, 33.958,
220.640

■ 95, 11.015,
217.557

■ 83, 37.650,
222.231

■ 98, 3.790, 217.409

■ 81, 40.386,
224.297

100, 0.496,
109.985

■ 80, 42.195,
226.915

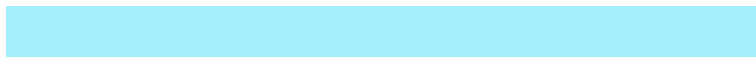
■ 78, 43.203,
230.139

■ 78, 43.527,
231.909

Harmonies

Complementary

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



90, 23.914, 218.573



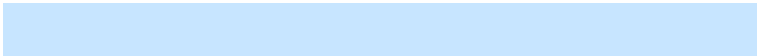
80, 30.840, 37.375

Rectangle

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



90, 23.914, 218.573



90, 23.914, 268.573



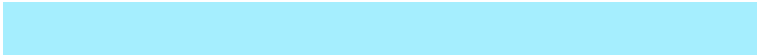
90, 23.914, 38.573



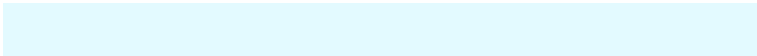
90, 23.914, 88.573

Sweetspot

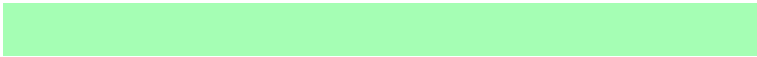
The Sweet Spot groups the original color and five complimentary colors.



90, 23.914, 218.569



97, 8.175, 217.456



93, 49.531, 146.627



51, 5.473, 217.486



0, 0.000, 0.000



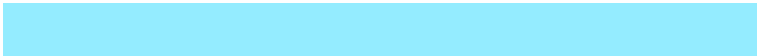
53, 0.007, 296.813

Same Dimension

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



90, 23.914, 218.569



89, 27.869, 219.148



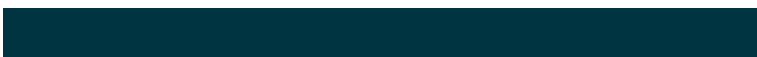
78, 32.646, 276.849



52, 4.242, 217.428



60, 35.136, 231.232



19, 16.135, 226.505

Inverse Universe

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



79, 49.196, 332.074



75, 58.711, 332.549



90, 32.881, 86.532



50, 7.997, 330.390



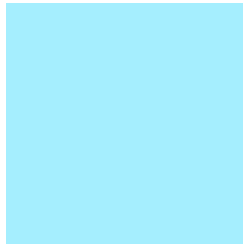
44, 80.900, 336.973



11, 37.836, 335.735

Previews

White Background



This preview shows how the CIE LCh color 90, 23.914, 218.573 looks on a white background.

Color Contrast Check

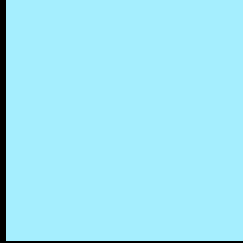
Large Text (above 18pt) WCAG AA × Fail

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, 23.914, 218.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

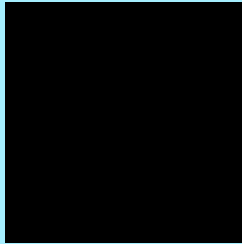
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 23.914, 218.573

Background



This preview shows how black text looks on a background with the CIELCh color 90, 23.914, 218.573.

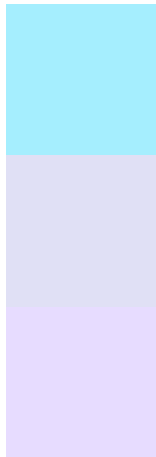


This preview shows how white text looks on a background with the CIELCh color 90, 23.914, 218.573.

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, 23.914, 218.573

Protanopia

90, 10.932, 291.068

Deuteranopia

90, 18.683, 303.162

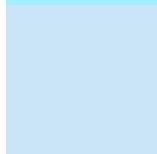


Tritanopia
90, 22.665, 222.754

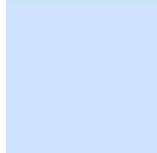
Trichromacy



Original Color
90, 23.914, 218.573



Protanomaly
90, 12.962, 248.932



Deuteranomaly
90, 15.825, 266.646

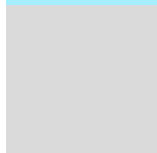


Tritanomaly
90, 23.167, 222.162

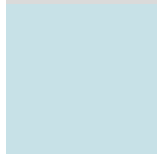
Monochromacy



Original Color
90, 23.914, 218.573



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 9.388, 218.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 23.914, 218.573 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(165, 238, 254)` looks like.

```
.text, #text, p{  
    color:rgb(165, 238, 254)  
}
```

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(165, 238, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 238, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 23.914, 218.573 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(165, 238, 254) }
```

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

```
.border{ border-color:rgb(165, 238, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 238, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 238, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 238, 254);  
box-shadow:4px 4px 4px 4px rgb(165, 238,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 23.914, 218.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 238, 254) }
```

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

```
.background{ background-color: rgb(165,  
238, 254) }
```

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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