

Converting Colors

CIELCh(93, 58.070, 272.619)

Have a look what the booklet for
CIELCh(93, 58.070, 272.619)
contains.

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Color

CIElCh(90, 27.368, 215.690)

Conversions

Conversions Part 1

Format	Color
Hex	99F0FF
RGB	153, 240, 255
RGB Percent	60%, 94%, 100%
CMY	0.4004, 0.0592, 0.0000
CMYK	0.40, 0.06, 0.00, 0.00
HSL	189°, 100%, 80%
HSV	189°, 40%, 100%
XYZ	62.4458, 76.3034, 106.8140
YIQ	215.6970, -56.6670, -13.7790

Conversions

Conversions Part 2

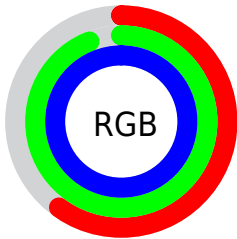
Format	Color
R_{YB}	153, 200, 255
Decimal	10088703
CIE _{Lab}	90.00, -22.23, -15.97
CIE _{LCh}	90, 27.368, 215.690
Yxy	76.3034, 0.2543, 0.3107
Android (android.graphics.Color)	4288278783 (0xFF99F0FF)
YUV	215.6970, 19.3764, -54.9853
Hunter-Lab	87.3518, -25.2600, -11.3537

Details

The CIELCh color **90, 27.368, 215.690** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **77, 36.886, 34.740**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.683, 198.527**, and **70, 27.229, 213.998** is the 20% darker color. If you saturate the color by 10%, you get **88, 32.393, 215.419**, and if you desaturate by 10%, it is **92, 21.393, 214.169**.

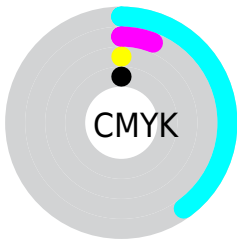
Distribution



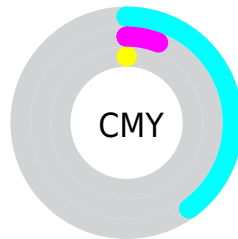
- Red (60%)
- Green (94%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 27.368, 215.690 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, 27.368, 215.690 by changing the saturation by 10% instead.


 90, 27.368,
215.690


 90, 27.368,
215.690


 100, 27.368,
215.690


 80, 27.368,
215.690

 70, 27.368,
215.690

 60, 27.368,
215.690

 50, 27.368,
215.690

 40, 27.368,
215.690

 30, 27.368,
215.690

 20, 27.368,

215.690

■ 10, 27.368,
215.690

■ 0, 27.368, 215.690

■ 90, 27.368,
215.690

■ 90, 27.368,
215.690

■ 88, 32.393,
215.419

■ 92, 21.393,
214.169

■ 86, 36.563,
216.466

■ 95, 14.796,
213.866

■ 84, 39.735,
217.874

■ 97, 7.636, 213.744

■ 83, 41.894,
219.711

100, 0.033,
234.350

100, 0.012,

■ 81, 43.102,
222.038

296.813

■ 80, 43.581,
224.828

Harmonies

Complementary

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



90, 27.368, 215.690



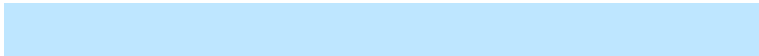
77, 36.886, 34.740

Rectangle

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



90, 27.368, 215.690



90, 27.368, 265.690



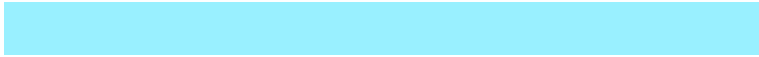
90, 27.368, 35.690



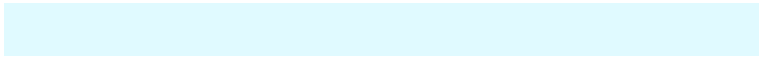
90, 27.368, 85.690

Sweetspot

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



90, 27.301, 214.672



97, 9.080, 213.752



92, 57.942, 145.064



51, 6.000, 213.762



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, 27.301, 214.672



88, 31.428, 215.245



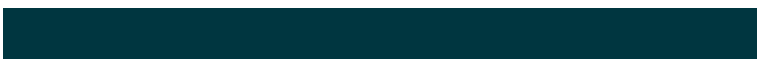
77, 35.990, 275.313



52, 4.331, 213.744



62, 35.118, 224.273



20, 16.244, 220.468

Inverse Universe

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



76, 57.344, 331.258



72, 67.840, 331.769



89, 36.928, 83.017



50, 8.179, 329.319



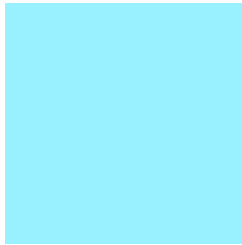
44, 82.897, 335.165



12, 38.665, 334.209

Previews

White Background



This preview shows how the CIE LCh color 90, 27.368, 215.690 looks on a white background.

Color Contrast Check

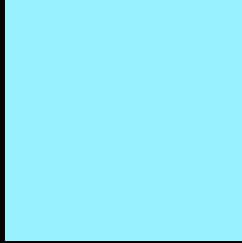
Large Text (above 18pt) WCAG AA × Fail

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, 27.368, 215.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

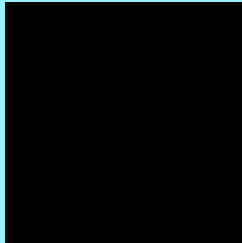
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 27.368, 215.690

Background



This preview shows how black text looks on a background with the CIELCh color 90, 27.368, 215.690.

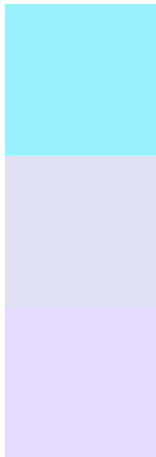


This preview shows how white text looks on a background with the CIELCh color 90, 27.368, 215.690.

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, 27.294, 214.566

Protanopia
90, 10.932, 291.068

Deuteranopia
90, 18.616, 302.132



Tritanopia
90, 24.282, 219.569

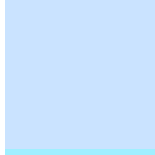
Trichromacy



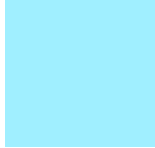
Original Color
90, 27.294, 214.566



Protanomaly
90, 14.261, 242.984



Deuteranomaly
89, 16.510, 261.514

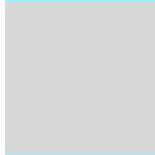


Tritanomaly
90, 25.416, 217.218

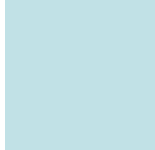
Monochromacy



Original Color
90, 27.294, 214.566



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 11.167, 212.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 27.368, 215.690 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(153, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 240, 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(153, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 240, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 27.368, 215.690 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(153, 240, 255) }
```

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

```
.border{ border-color:rgb(153, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 240,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 27.368, 215.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 240, 255) }
```

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

```
.background{ background-color: rgb(153,  
240, 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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