

Converting Colors

CIELCh(90, 70.426, 159.013)

Have a look what the booklet for
CIELCh(90, 70.426, 159.013)
contains.

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Color

CIELCh(90, 69.577, 159.396)

Conversions

Conversions Part 1

Format	Color
Hex	38FFB1
RGB	56, 255, 177
RGB Percent	22%, 100%, 69%
CMY	0.7801, 0.0000, 0.3055
CMYK	0.78, 0.00, 0.31, 0.00
HSL	157°, 100%, 61%
HSV	157°, 78%, 100%
XYZ	45.7217, 76.3034, 53.9633
YIQ	186.6070, -93.5660, -66.4460

Conversions

Conversions Part 2

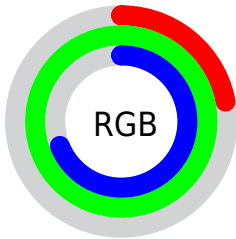
Format	Color
RYB	56, 180, 255
Decimal	3735473
CIELab	90.00, -65.13, 24.48
CIELCh	90, 69.577, 159.396
Yxy	76.3034, 0.2598, 0.4336
Android (android.graphics.Color)	4281925553 (0xFF38FFB1)
YUV	186.6070, -4.7363, -114.5423
Hunter-Lab	87.3518, -59.4352, 24.5187

Details

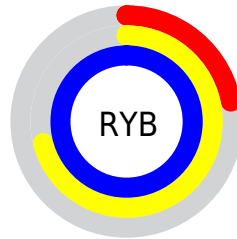
The CIELCh color **90, 69.577, 159.396** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **58, 77.049, 3.563**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.482, 180.117**, and **70, 63.568, 156.582** is the 20% darker color. If you saturate the color by 10%, you get **89, 74.385, 157.551**, and if you desaturate by 10%, it is **90, 62.608, 161.527**.

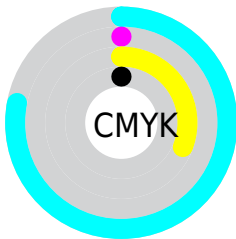
Distribution



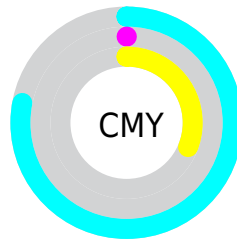
- Red (22%)
- Green (100%)
- Blue (69%)



- Red (22%)
- Yellow (71%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 69.577, 159.396 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, 69.577, 159.396 by changing the saturation by 10% instead.


 90, 69.577,
159.396


 90, 69.577,
159.396


 100, 69.577,
159.396


 80, 69.577,
159.396


 70, 69.577,
159.396

 60, 69.577,
159.396

 50, 69.577,
159.396

 40, 69.577,
159.396

 30, 69.577,
159.396

 20, 69.577,

159.396

■ 10, 69.577,
159.396

■ 0, 69.577, 159.396

■ 90, 69.577,
159.396

■ 90, 69.577,
159.396

■ 89, 74.385,
157.551

■ 90, 62.608,
161.527

■ 89, 78.874,
155.267

■ 91, 55.232,
163.199

■ 89, 79.717,
154.814

■ 92, 46.967,
164.682

■ 93, 37.961,
166.004

■ 95, 28.388,
167.190

■ 96, 18.423,
168.267

■ 98, 8.228, 169.275

100, 0.012,
296.813

Harmonies

Complementary

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



90, 69.577, 159.396



58, 77.049, 3.563

Rectangle

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



90, 69.577, 159.396



90, 69.577, 209.396



90, 69.577, 339.396



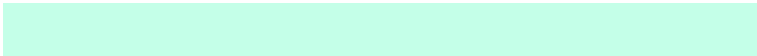
90, 69.577, 29.396

Sweetspot

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



90, 68.998, 159.647



96, 23.437, 167.741



90, 100.530, 129.629



50, 16.162, 167.346



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, 68.998, 159.647



89, 77.165, 156.197



86, 42.793, 211.158



52, 5.841, 169.125



68, 63.698, 155.247



23, 27.692, 158.438

Inverse Universe

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



58, 77.049, 3.563



55, 83.643, 10.505



59, 83.320, 37.219



50, 5.958, 350.757



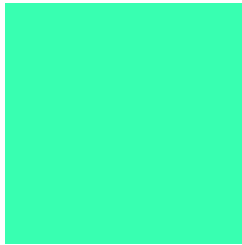
41, 68.438, 12.622



10, 31.289, 5.503

Previews

White Background



This preview shows how the CIE LCh color 90, 69.577, 159.396 looks on a white background.

Color Contrast Check

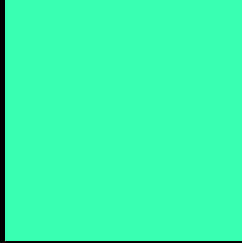
Large Text (above 18pt) WCAG AA × Fail

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, 69.577, 159.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

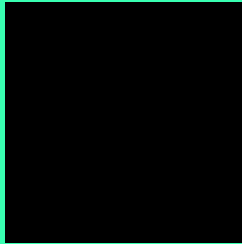
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 69.577, 159.396

Background



This preview shows how black text looks on a background with the CIELCh color 90, 69.577, 159.396.

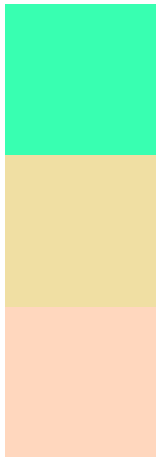


This preview shows how white text looks on a background with the CIELCh color 90, 69.577, 159.396.

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, 69.041, 159.620

Protanopia
89, 31.695, 95.270

Deuteranopia
89, 20.334, 59.547



Tritanopia
89, 29.931, 213.975

Trichromacy



Original Color
90, 69.041, 159.620



Protanomaly
88, 41.620, 140.648



Deuteranomaly
87, 29.177, 144.264



Tritanomaly
89, 41.259, 183.526

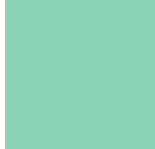
Monochromacy



Original Color
90, 69.041, 159.620



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 29.931, 166.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 69.577, 159.396 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(56, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 177)  
}
```

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(56, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 69.577, 159.396 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(56, 255, 177) }
```

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

```
.border{ border-color:rgb(56, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 69.577, 159.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 177) }
```

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

```
.background{ background-color: rgb(56, 255,  
177) }
```

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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