

Converting Colors

CIELCh(90, 69.820, 155.949)

Have a look what the booklet for
CIELCh(90, 69.820, 155.949)
contains.

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Color

CIELCh(90, 69.754, 155.958)

Conversions

Conversions Part 1

Format	Color
Hex	4EFFA9
RGB	78, 255, 169
RGB Percent	31%, 100%, 66%
CMY	0.6956, 0.0000, 0.3356
CMYK	0.70, 0.00, 0.34, 0.00
HSL	151°, 100%, 65%
HSV	151°, 70%, 100%
XYZ	46.2220, 76.3034, 50.0390
YIQ	192.2730, -77.8860, -64.2700

Conversions

Conversions Part 2

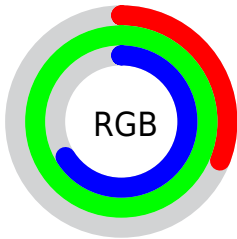
Format	Color
RYB	78, 195, 255
Decimal	5177257
CIELab	90.00, -63.70, 28.42
CIELCh	90, 69.754, 155.958
Yxy	76.3034, 0.2679, 0.4422
Android (android.graphics.Color)	4283367337 (0xFF4EFA9)
YUV	192.2730, -11.4736, -100.2174
Hunter-Lab	87.3518, -58.4128, 27.1823

Details

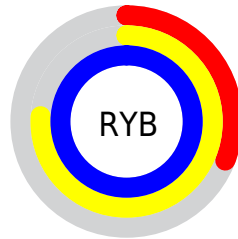
The CIELCh color **90, 69.754, 155.958** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **61, 73.424, 354.033**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.516, 173.221**, and **70, 66.682, 153.971** is the 20% darker color. If you saturate the color by 10%, you get **89, 76.693, 154.103**, and if you desaturate by 10%, it is **91, 61.337, 157.763**.

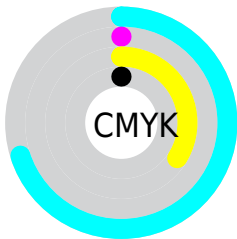
Distribution



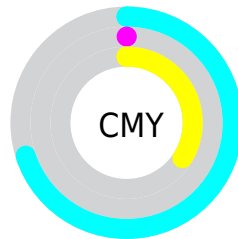
- Red (31%)
- Green (100%)
- Blue (66%)



- Red (31%)
- Yellow (76%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 69.754, 155.958 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, 69.754, 155.958 by changing the saturation by 10% instead.


 90, 69.754,
155.958


 90, 69.754,
155.958


 100, 69.754,
155.958


 80, 69.754,
155.958

 70, 69.754,
155.958

 60, 69.754,
155.958

 50, 69.754,
155.958

 40, 69.754,
155.958

 30, 69.754,
155.958

 20, 69.754,

155.958

■ 10, 69.754,
155.958

■ 0, 69.754, 155.958

■ 90, 69.754,
155.958

■ 90, 69.754,
155.958

■ 89, 76.693,
154.103

■ 91, 61.337,
157.763

■ 89, 82.839,
151.950

■ 92, 52.259,
159.282

■ 89, 88.088,
149.649

■ 93, 42.447,
160.622

■ 89, 88.311,
149.551

■ 94, 32.087,
161.809

■ 96, 21.368,
162.869

■ 98, 10.461,
163.837

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, 69.754, 155.958



61, 73.424, 354.033

Rectangle

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



90, 69.754, 155.958



90, 69.754, 205.958



90, 69.754, 335.958



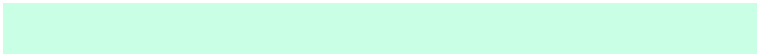
90, 69.754, 25.958

Sweetspot

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



90, 69.518, 156.042



96, 22.928, 162.723



92, 90.347, 126.882



51, 15.496, 162.437



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, 69.518, 156.042



89, 78.922, 153.385



91, 44.402, 198.712



52, 6.222, 163.842



68, 70.505, 149.985



23, 30.436, 153.221

Inverse Universe

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



61, 73.424, 354.033



57, 80.899, 357.847



60, 76.670, 31.282



50, 6.309, 345.378



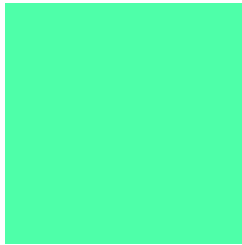
41, 68.095, 3.798



10, 31.714, 357.927

Previews

White Background



This preview shows how the CIE LCh color 90, 69.754, 155.958 looks on a white background.

Color Contrast Check

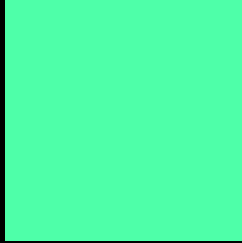
Large Text (above 18pt) WCAG AA × Fail

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, 69.754, 155.958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

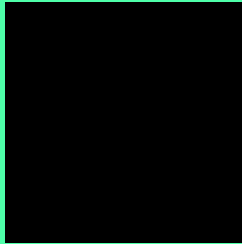
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 69.754, 155.958

Background



This preview shows how black text looks on a background with the CIELCh color 90, 69.754, 155.958.

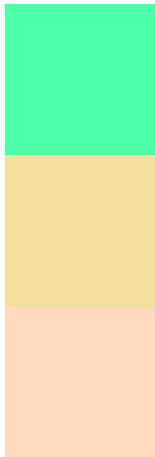


This preview shows how white text looks on a background with the CIELCh color 90, 69.754, 155.958.

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, 69.631, 155.887

Protanopia
89, 35.732, 95.590

Deuteranopia
89, 21.594, 65.749



Tritanopia
89, 28.551, 214.862

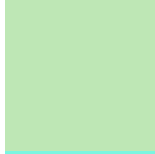
Trichromacy



Original Color
90, 69.631, 155.887



Protanomaly
88, 43.020, 134.698



Deuteranomaly
88, 30.134, 138.296

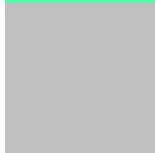


Tritanomaly
89, 39.472, 180.688

Monochromacy



Original Color
90, 69.631, 155.887



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 28.442, 162.061

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 69.754, 155.958 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(78, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(78, 255, 169)  
}
```

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(78, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 255, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 69.754, 155.958 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(78, 255, 169) }
```

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

```
.border{ border-color:rgb(78, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(78, 255,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 69.754, 155.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 255, 169) }
```

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

```
.background{ background-color: rgb(78, 255,  
169) }
```

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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