

Converting Colors

CIELCh(90, 71.130, 154.964)

Have a look what the booklet for
CIELCh(90, 71.130, 154.964)
contains.

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Color

CIElCh(90, 70.870, 155.084)

Conversions

Conversions Part 1

Format	Color
Hex	4EFFA7
RGB	78, 255, 167
RGB Percent	31%, 100%, 65%
CMY	0.6948, 0.0000, 0.3468
CMYK	0.69, 0.00, 0.35, 0.00
HSL	150°, 100%, 65%
HSV	150°, 69%, 100%
XYZ	46.0208, 76.3034, 48.6529
YIQ	192.0450, -77.2440, -64.8920

Conversions

Conversions Part 2

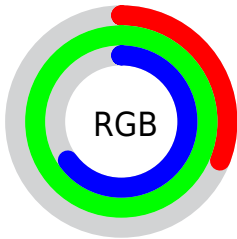
Format	Color
RYB	78, 196, 255
Decimal	5177255
CIELab	90.00, -64.27, 29.86
CIELCh	90, 70.870, 155.084
Yxy	76.3034, 0.2692, 0.4463
Android (android.graphics.Color)	4283367335 (0xFF4EFA7)
YUV	192.0450, -12.3472, -100.0175
Hunter-Lab	87.3518, -58.8238, 28.1231

Details

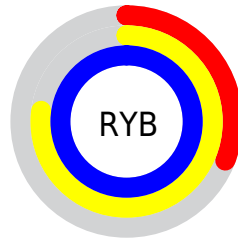
The CIELCh color **90, 70.870, 155.084** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **61, 73.857, 352.827**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.072, 171.893**, and **70, 67.463, 153.355** is the 20% darker color. If you saturate the color by 10%, you get **89, 77.905, 153.253**, and if you desaturate by 10%, it is **91, 62.197, 156.908**.

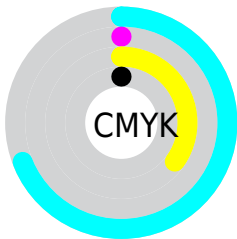
Distribution



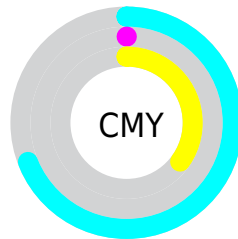
- Red (31%)
- Green (100%)
- Blue (65%)



- Red (31%)
- Yellow (77%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 70.870, 155.084 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, 70.870, 155.084 by changing the saturation by 10% instead.


 90, 70.870,
155.084


 90, 70.870,
155.084


 100, 70.870,
155.084


 80, 70.870,
155.084

 70, 70.870,
155.084

 60, 70.870,
155.084


 50, 70.870,
155.084

 40, 70.870,
155.084


 30, 70.870,
155.084


 20, 70.870,


155.084


 10, 70.870,
155.084


 0, 70.870, 155.084


 90, 70.870,
155.084


 90, 70.870,
155.084


 89, 77.905,
153.253


 91, 62.197,
156.908


 89, 84.213,
151.106

 92, 52.940,
158.422

 88, 89.604,
148.813

 93, 42.953,
159.756

 88, 89.872,
148.697

 94, 32.427,
160.936

■ 96, 21.553,
161.987

■ 98, 10.501,
162.944

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, 70.870, 155.084



61, 73.857, 352.827

Rectangle

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



90, 70.870, 155.084



90, 70.870, 205.084



90, 70.870, 335.084



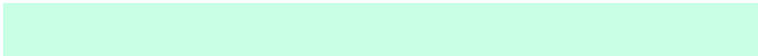
90, 70.870, 25.084

Sweetspot

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



90, 70.557, 155.189



96, 23.219, 161.834



92, 89.834, 126.306



51, 15.695, 161.551



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, 70.557, 155.189



89, 80.242, 152.521



92, 45.248, 196.666



52, 6.297, 162.942



68, 71.745, 149.129



23, 30.943, 152.361

Inverse Universe

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



61, 73.857, 352.827



57, 81.303, 356.499



59, 77.262, 30.551



50, 6.379, 344.458



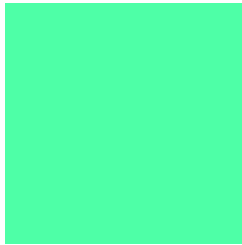
41, 68.237, 2.200



10, 31.860, 356.586

Previews

White Background



This preview shows how the CIE LCh color 90, 70.870, 155.084 looks on a white background.

Color Contrast Check

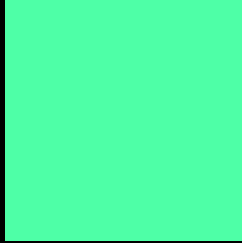
Large Text (above 18pt) WCAG AA × Fail

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, 70.870, 155.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

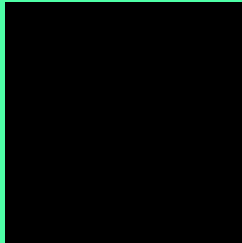
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 70.870, 155.084

Background



This preview shows how black text looks on a background with the CIELCh color 90, 70.870, 155.084.

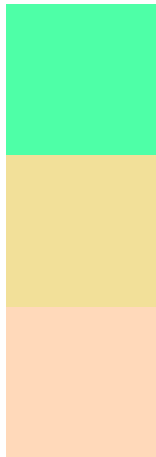


This preview shows how white text looks on a background with the CIELCh color 90, 70.870, 155.084.

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, 70.375, 155.300

Protanopia

89, 37.216, 95.894

Deuteranopia

89, 21.993, 66.593



Tritanopia
89, 28.551, 214.862

Trichromacy



Original Color
90, 70.375, 155.300



Protanomaly
88, 44.370, 133.781



Deuteranomaly
88, 30.852, 136.783

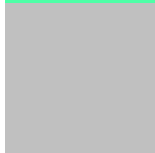


Tritanomaly
89, 39.706, 179.985

Monochromacy



Original Color
90, 70.375, 155.300



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 28.789, 161.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 70.870, 155.084 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(78, 255, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 255, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 70.870, 155.084 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, 167) }
```

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

```
.border{ border-color:rgb(78, 255, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(78, 255,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 70.870, 155.084 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, 167) }
```

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

```
.background{ background-color: rgb(78, 255,  
167) }
```

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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