

Converting Colors

CIELCh(90, 67.671, 155.225)

Have a look what the booklet for
CIELCh(90, 67.671, 155.225)
contains.

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Color

CIELCh(90, 67.671, 155.225)

Conversions

Conversions Part 1

Format	Color
Hex	5AFFAA
RGB	90, 255, 170
RGB Percent	35%, 100%, 67%
CMY	0.6489, 0.0016, 0.3348
CMYK	0.65, 0.00, 0.33, 0.00
HSL	149°, 100%, 67%
HSV	149°, 65%, 100%
XYZ	47.0236, 76.3034, 50.0977
YIQ	195.9750, -71.0550, -61.4150

Conversions

Conversions Part 2

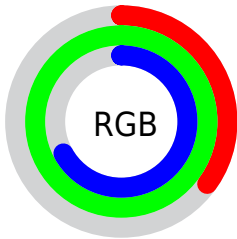
Format	Color
RYB	90, 201, 255
Decimal	5963690
CIELab	90.00, -61.44, 28.36
CIElCh	90, 67.671, 155.225
Yxy	76.3034, 0.2711, 0.4400
Android (android.graphics.Color)	4284153770 (0xFF5AFFAA)
YUV	195.9750, -12.8057, -92.9401
Hunter-Lab	87.3518, -56.7747, 27.1425

Details

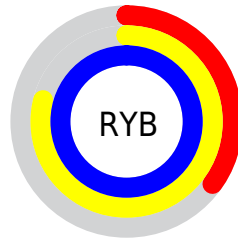
The CIELCh color **90, 67.671, 155.225** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **63, 70.722, 350.757**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 36.070, 172.588**, and **70, 66.292, 154.284** is the 20% darker color. If you saturate the color by 10%, you get **89, 75.645, 153.393**, and if you desaturate by 10%, it is **91, 58.728, 156.843**.

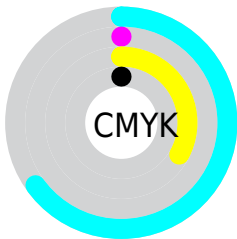
Distribution



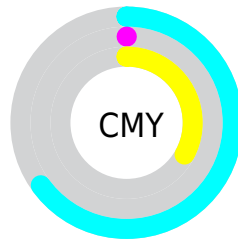
- Red (35%)
- Green (100%)
- Blue (67%)



- Red (35%)
- Yellow (79%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 67.671, 155.225 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, 67.671, 155.225 by changing the saturation by 10% instead.


 90, 67.671,
155.225


 90, 67.671,
155.225

 100, 67.671,
155.225


 80, 67.671,
155.225

 70, 67.671,
155.225

 60, 67.671,
155.225


 50, 67.671,
155.225

 40, 67.671,
155.225


 30, 67.671,
155.225


 20, 67.671,


155.225


 10, 67.671,
155.225


 0, 67.671, 155.225

 90, 67.671,
155.225


 90, 67.671,
155.225


 89, 75.645,
153.393


 91, 58.728,
156.843


 89, 82.572,
151.346

 92, 48.960,
158.267

 88, 88.472,
149.107

 93, 38.555,
159.520

 88, 91.214,
147.929

 95, 27.707,
160.629

■ 97, 16.603,
161.622

■ 99, 5.404, 162.560

100, 0.255,
323.238

Harmonies

Complementary

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



90, 67.671, 155.225



63, 70.722, 350.757

Rectangle

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



90, 67.671, 155.225



90, 67.671, 205.225



90, 67.671, 335.225



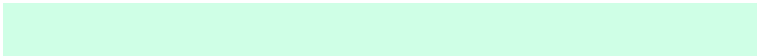
90, 67.671, 25.225

Sweetspot

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



90, 67.672, 155.225



96, 21.272, 161.220



92, 84.500, 125.740



51, 14.626, 160.935



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, 67.672, 155.225



89, 78.047, 152.767



92, 43.957, 194.848



52, 6.369, 162.118



68, 72.900, 148.357



23, 31.418, 151.582

Inverse Universe

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



63, 70.722, 350.757



59, 79.537, 353.820



61, 71.005, 27.953



50, 6.446, 343.614



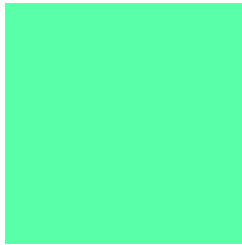
41, 68.427, 0.717



10, 32.015, 355.348

Previews

White Background



This preview shows how the CIE LCh color 90, 67.671, 155.225 looks on a white background.

Color Contrast Check

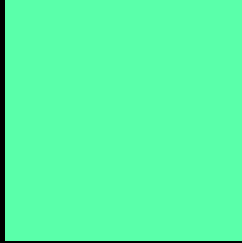
Large Text (above 18pt) WCAG AA × Fail

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, 67.671, 155.225 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, 67.671, 155.225

Background



This preview shows how black text looks on a background with the CIELCh color 90, 67.671, 155.225.

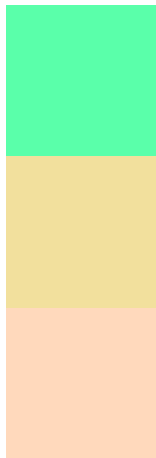


This preview shows how white text looks on a background with the CIELCh color 90, 67.671, 155.225.

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, 67.671, 155.225

Protanopia

89, 35.237, 95.481

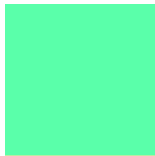
Deuteranopia

89, 21.201, 64.872

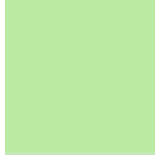


Tritanopia
90, 27.607, 215.517

Trichromacy



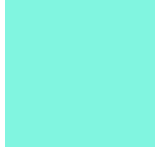
Original Color
90, 67.671, 155.225



Protanomaly
88, 41.706, 132.914



Deuteranomaly
88, 29.222, 135.355

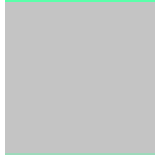


Tritanomaly
90, 37.933, 180.124

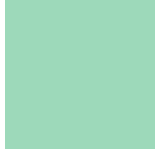
Monochromacy



Original Color
90, 67.671, 155.225



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 27.093, 160.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 67.671, 155.225 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(90, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(90, 255, 170)  
}
```

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(90, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 255, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 67.671, 155.225 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(90, 255, 170) }
```

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

```
.border{ border-color:rgb(90, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(90, 255,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 67.671, 155.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 255, 170) }
```

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

```
.background{ background-color: rgb(90, 255,  
170) }
```

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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