

Converting Colors

CIELCh(90, 67.655, 159.916)

Have a look what the booklet for
CIELCh(90, 67.655, 159.916)
contains.

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Color

CIELCh(90, 67.194, 160.189)

Conversions

Conversions Part 1

Format	Color
Hex	41FFB5
RGB	65, 255, 181
RGB Percent	25%, 100%, 71%
CMY	0.7457, 0.0000, 0.2921
CMYK	0.75, 0.00, 0.29, 0.00
HSL	156°, 100%, 63%
HSV	156°, 75%, 100%
XYZ	46.3934, 76.3034, 55.7328
YIQ	189.7540, -89.4860, -63.2940

Conversions

Conversions Part 2

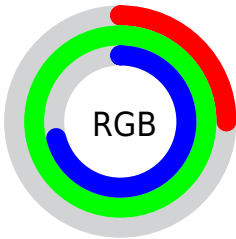
Format	Color
RYB	65, 183, 255
Decimal	4325301
CIELab	90.00, -63.22, 22.77
CIELCh	90, 67.194, 160.189
Yxy	76.3034, 0.2600, 0.4276
Android (android.graphics.Color)	4282515381 (0xFF41FFB5)
YUV	189.7540, -4.3157, -109.4093
Hunter-Lab	87.3518, -58.0625, 23.3177

Details

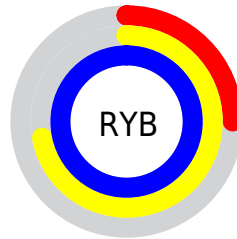
The CIELCh color **90, 67.194, 160.189** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **59, 74.948, 2.370**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.473, 182.618**, and **71, 62.023, 157.983** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.653, 158.288**, and if you desaturate by 10%, it is **91, 60.189, 162.117**.

Distribution



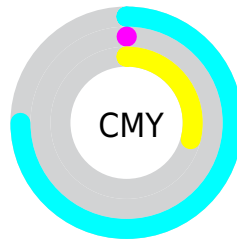
- Red (25%)
- Green (100%)
- Blue (71%)



- Red (25%)
- Yellow (72%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 67.194, 160.189 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, 67.194, 160.189 by changing the saturation by 10% instead.


 90, 67.194,
160.189


 90, 67.194,
160.189


 100, 67.194,
160.189


 80, 67.194,
160.189

 70, 67.194,
160.189

 60, 67.194,
160.189


 50, 67.194,
160.189

 40, 67.194,
160.189


 30, 67.194,
160.189


 20, 67.194,

160.189


 10, 67.194,
160.189


 0, 67.194, 160.189


 90, 67.194,
160.189


 90, 67.194,
160.189


 89, 72.653,
158.288


 91, 60.189,
162.117

 89, 77.424,
156.058

 91, 52.492,
163.721

 89, 79.728,
154.807

 93, 43.953,
165.146

 94, 34.731,
166.418

■ 95, 25.003,
167.564

■ 97, 14.941,
168.611

■ 99, 4.699, 169.632

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, 67.194, 160.189



59, 74.948, 2.370

Rectangle

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



90, 67.194, 160.189



90, 67.194, 210.189



90, 67.194, 340.189



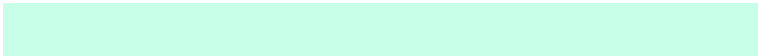
90, 67.194, 30.189

Sweetspot

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



90, 66.925, 160.310



96, 22.441, 167.841



91, 97.488, 129.569



51, 15.039, 167.549



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, 66.925, 160.310



89, 74.877, 157.324



86, 42.105, 210.766



52, 5.841, 169.118



68, 63.706, 155.240



23, 27.696, 158.430

Inverse Universe

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



59, 74.948, 2.370



55, 82.111, 8.060



60, 79.250, 36.436



50, 5.959, 350.750



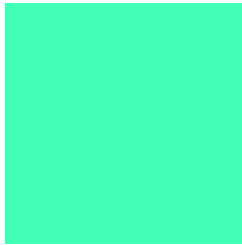
41, 68.436, 12.611



10, 31.289, 5.493

Previews

White Background



This preview shows how the CIE LCh color 90, 67.194, 160.189 looks on a white background.

Color Contrast Check

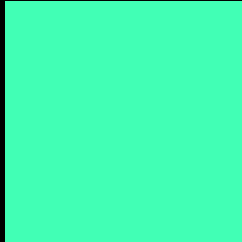
Large Text (above 18pt) WCAG AA × Fail

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, 67.194, 160.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

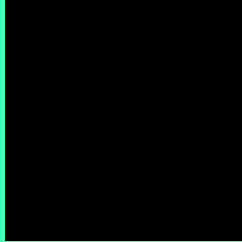
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 67.194, 160.189

Background



This preview shows how black text looks on a background with the CIELCh color 90, 67.194, 160.189.

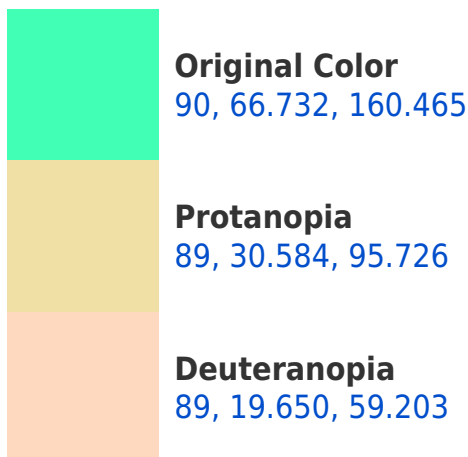


This preview shows how white text looks on a background with the CIELCh color 90, 67.194, 160.189.

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](#).

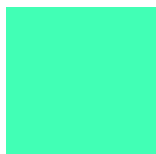
Dichromacy



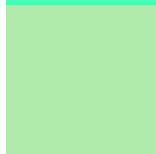


Tritanopia
90, 29.191, 213.344

Trichromacy



Original Color
90, 66.732, 160.465



Protanomaly
88, 39.720, 140.656

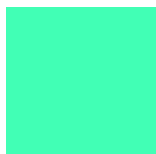


Deuteranomaly
87, 27.253, 144.444

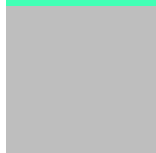


Tritanomaly
89, 39.850, 183.920

Monochromacy



Original Color
90, 66.732, 160.465



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 28.465, 167.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 67.194, 160.189 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(65, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 181)  
}
```

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(65, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 67.194, 160.189 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(65, 255, 181) }
```

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

```
.border{ border-color:rgb(65, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 67.194, 160.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 181) }
```

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

```
.background{ background-color: rgb(65, 255,  
181) }
```

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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