

Converting Colors

CIELCh(100, 84.506, 154.290)

Have a look what the booklet for
CIELCh(100, 84.506, 154.290)
contains.

CIELCh(90, 67.686, 160.442)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 67.686, 160.442)

Conversions

Conversions Part 1

Format	Color
Hex	3CFFB5
RGB	60, 255, 181
RGB Percent	24%, 100%, 71%
CMY	0.7637, 0.0000, 0.2913
CMYK	0.76, 0.00, 0.29, 0.00
HSL	157°, 100%, 62%
HSV	157°, 76%, 100%
XYZ	46.1945, 76.3034, 55.8527
YIQ	188.2590, -92.4660, -64.3540

Conversions

Conversions Part 2

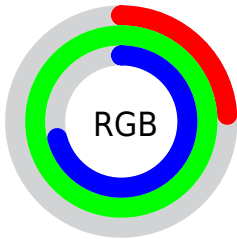
Format	Color
RYB	60, 180, 255
Decimal	3997621
CIELab	90.00, -63.78, 22.66
CIELCh	90, 67.686, 160.442
Yxy	76.3034, 0.2590, 0.4278
Android (android.graphics.Color)	4282187701 (0xFF3CFFB5)
YUV	188.2590, -3.5787, -112.4831
Hunter-Lab	87.3518, -58.4690, 23.2363

Details

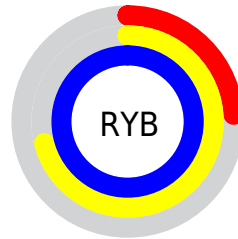
The CIELCh color **90, 67.686, 160.442** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **58, 75.980, 3.815**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.154, 182.834**, and **71, 62.023, 157.983** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.751, 158.560**, and if you desaturate by 10%, it is **90, 60.866, 162.452**.

Distribution



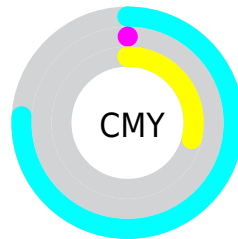
- Red (24%)
- Green (100%)
- Blue (71%)



- Red (24%)
- Yellow (71%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (76%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 67.686, 160.442 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, 67.686, 160.442 by changing the saturation by 10% instead.

 90, 67.686,
160.442

 90, 67.686,
160.442

 100, 67.686,
160.442

 80, 67.686,
160.442

 70, 67.686,
160.442

 60, 67.686,
160.442


 50, 67.686,
160.442

 40, 67.686,
160.442


 30, 67.686,
160.442

 20, 67.686,


160.442


 10, 67.686,
160.442


 0, 67.686, 160.442


 90, 67.686,
160.442

 90, 67.686,
160.442


 89, 72.751,
158.560


 90, 60.866,
162.452

 89, 77.258,
156.304

 91, 53.443,
164.086

 89, 78.756,
155.475

 92, 45.149,
165.538

 94, 36.136,
166.834

■ 95, 26.578,
168.001

■ 97, 16.648,
169.065

■ 99, 6.504, 170.077

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, 67.686, 160.442



58, 75.980, 3.815

Rectangle

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



90, 67.686, 160.442



90, 67.686, 210.442



90, 67.686, 340.442



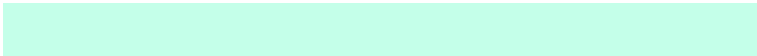
90, 67.686, 30.442

Sweetspot

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



90, 67.312, 160.614



96, 23.265, 168.369



90, 99.597, 130.075



50, 16.040, 167.974



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, 67.312, 160.614



89, 75.393, 157.312



85, 41.958, 213.689



52, 5.801, 169.757



69, 62.938, 155.907



23, 27.389, 159.084

Inverse Universe

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



58, 75.980, 3.815



55, 83.169, 10.443



60, 80.710, 37.623



50, 5.923, 351.398



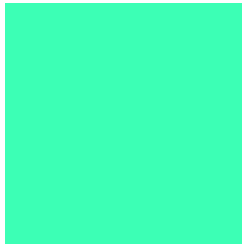
41, 68.595, 13.606



10, 31.282, 6.371

Previews

White Background



This preview shows how the CIE LCh color 90, 67.686, 160.442 looks on a white background.

Color Contrast Check

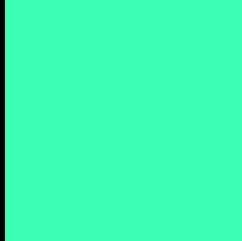
Large Text (above 18pt) WCAG AA × Fail

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, 67.686, 160.442 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, 67.686, 160.442

Background



This preview shows how black text looks on a background with the CIELCh color 90, 67.686, 160.442.

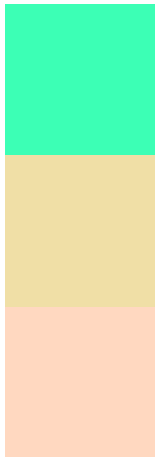


This preview shows how white text looks on a background with the CIELCh color 90, 67.686, 160.442.

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, 67.233, 160.721

Protanopia
89, 30.199, 94.829

Deuteranopia
89, 19.650, 59.203

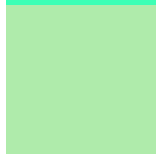


Tritanopia
89, 29.476, 214.259

Trichromacy



Original Color
90, 67.233, 160.721



Protanomaly
88, 39.920, 141.050

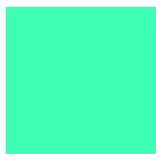


Deuteranomaly
87, 27.687, 145.557

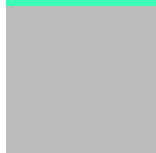


Tritanomaly
89, 40.456, 184.075

Monochromacy



Original Color
90, 67.233, 160.721



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 28.503, 167.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 67.686, 160.442 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(60, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(60, 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(60, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 67.686, 160.442 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(60, 255, 181) }
```

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

```
.border{ border-color:rgb(60, 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(60, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 67.686, 160.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 181) }
```

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

```
.background{ background-color: rgb(60, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor