

Converting Colors

CIELCh(90, 67.713, 161.413)

Have a look what the booklet for
CIELCh(90, 67.713, 161.413)
contains.

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Color

CIELCh(90, 67.153, 161.700)

Conversions

Conversions Part 1

Format	Color
Hex	37FFB8
RGB	55, 255, 184
RGB Percent	22%, 100%, 72%
CMY	0.7863, 0.0000, 0.2793
CMYK	0.79, 0.00, 0.28, 0.00
HSL	159°, 100%, 61%
HSV	159°, 79%, 100%
XYZ	46.2029, 76.3034, 57.5153
YIQ	187.1060, -96.4090, -64.4810

Conversions

Conversions Part 2

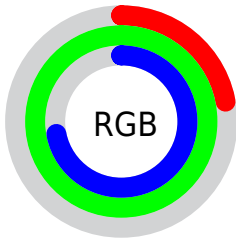
Format	Color
RYB	55, 177, 255
Decimal	3669944
CIELab	90.00, -63.76, 21.09
CIELCh	90, 67.153, 161.700
Yxy	76.3034, 0.2567, 0.4239
Android (android.graphics.Color)	4281860024 (0xFF37FFB8)
YUV	187.1060, -1.5313, -115.8570
Hunter-Lab	87.3518, -58.4518, 22.1078

Details

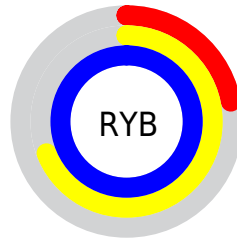
The CIELCh color **90, 67.153, 161.700** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **58, 77.213, 6.821**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.218, 185.247**, and **71, 60.873, 159.078** is the 20% darker color. If you saturate the color by 10%, you get **89, 71.687, 159.821**, and if you desaturate by 10%, it is **90, 60.814, 163.761**.

Distribution



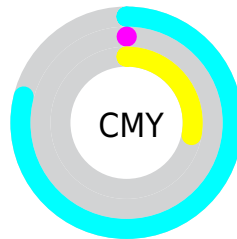
- Red (22%)
- Green (100%)
- Blue (72%)



- Red (22%)
- Yellow (69%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 67.153, 161.700 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, 67.153, 161.700 by changing the saturation by 10% instead.


 90, 67.153,
161.700

 90, 67.153,
161.700


 100, 67.153,
161.700


 80, 67.153,
161.700


 70, 67.153,
161.700

 60, 67.153,
161.700

 50, 67.153,
161.700

 40, 67.153,
161.700

 30, 67.153,
161.700

 20, 67.153,

161.700

■ 10, 67.153,
161.700

■ 0, 67.153, 161.700

■ 90, 67.153,
161.700

■ 90, 67.153,
161.700

■ 89, 71.687,
159.821

■ 90, 60.814,
163.761

■ 89, 75.755,
157.562

■ 91, 53.882,
165.420

■ 89, 76.285,
157.254

■ 92, 46.041,
166.898

■ 93, 37.430,
168.219

■ 95, 28.216,
169.411

■ 96, 18.571,
170.498

■ 98, 8.656, 171.519

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, 67.153, 161.700



58, 77.213, 6.821

Rectangle

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



90, 67.153, 161.700



90, 67.153, 211.700



90, 67.153, 341.700



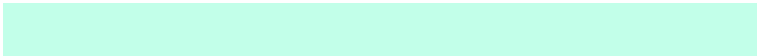
90, 67.153, 31.700

Sweetspot

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



90, 66.750, 161.897



96, 23.797, 169.925



90, 102.027, 130.580



50, 16.275, 169.531



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

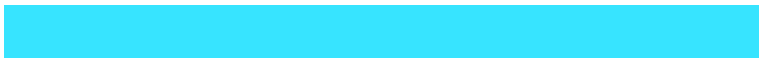
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 66.750, 161.897



89, 73.958, 158.621



84, 41.948, 216.875



52, 5.703, 171.430



69, 60.985, 157.682



23, 26.614, 160.817

Inverse Universe

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



58, 77.213, 6.821



55, 84.204, 13.916



59, 82.687, 38.856



50, 5.834, 353.088



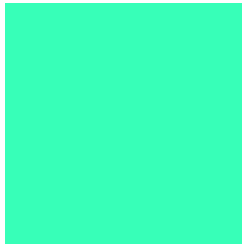
40, 69.109, 16.124



10, 31.301, 8.572

Previews

White Background



This preview shows how the CIE LCh color 90, 67.153, 161.700 looks on a white background.

Color Contrast Check

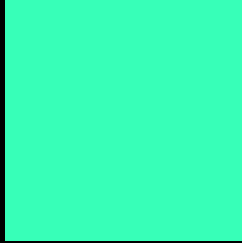
Large Text (above 18pt) WCAG AA × Fail

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, 67.153, 161.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

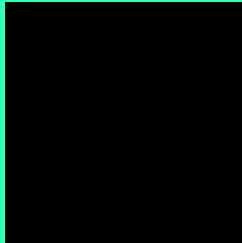
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 67.153, 161.700

Background



This preview shows how black text looks on a background with the CIELCh color 90, 67.153, 161.700.

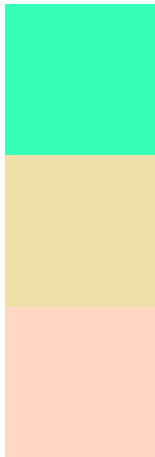


This preview shows how white text looks on a background with the CIELCh color 90, 67.153, 161.700.

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, 66.626, 161.952

Protanopia
89, 28.609, 95.102

Deuteranopia
89, 18.964, 55.086



Tritanopia
90, 29.882, 212.935

Trichromacy



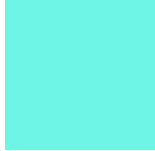
Original Color
90, 66.626, 161.952



Protanomaly
88, 39.247, 143.446



Deuteranomaly
87, 27.299, 147.943

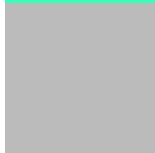


Tritanomaly
89, 40.839, 184.922

Monochromacy



Original Color
90, 66.626, 161.952



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 28.989, 168.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 67.153, 161.700 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(55, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 184)  
}
```

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(55, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 67.153, 161.700 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(55, 255, 184) }
```

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

```
.border{ border-color:rgb(55, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 67.153, 161.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 255, 184) }
```

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

```
.background{ background-color: rgb(55, 255,  
184) }
```

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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