

Converting Colors

CIELCh(90, 68.164, 160.997)

Have a look what the booklet for
CIELCh(90, 68.164, 160.997)
contains.

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Color

CIELCh(90, 67.508, 161.367)

Conversions

Conversions Part 1

Format	Color
Hex	37FFB7
RGB	55, 255, 183
RGB Percent	22%, 100%, 72%
CMY	0.7859, 0.0000, 0.2830
CMYK	0.79, 0.00, 0.28, 0.00
HSL	158°, 100%, 61%
HSV	158°, 79%, 100%
XYZ	46.1279, 76.3034, 57.0007
YIQ	186.9920, -96.0880, -64.7920

Conversions

Conversions Part 2

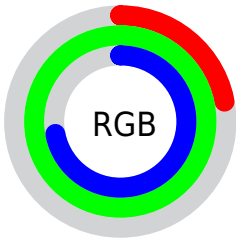
Format	Color
RYB	55, 177, 255
Decimal	3669943
CIELab	90.00, -63.97, 21.57
CIELCh	90, 67.508, 161.367
Yxy	76.3034, 0.2571, 0.4252
Android (android.graphics.Color)	4281860023 (0xFF37FFB7)
YUV	186.9920, -1.9681, -115.7570
Hunter-Lab	87.3518, -58.6050, 22.4571

Details

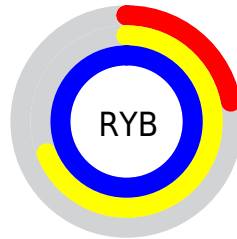
The CIELCh color **90, 67.508, 161.367** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **58, 77.199, 6.394**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.414, 184.503**, and **71, 61.255, 158.708** is the 20% darker color. If you saturate the color by 10%, you get **89, 72.071, 159.493**, and if you desaturate by 10%, it is **90, 61.083, 163.442**.

Distribution



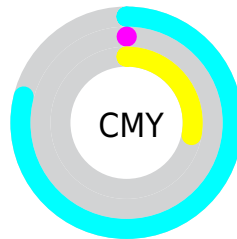
- Red (22%)
- Green (100%)
- Blue (72%)



- 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, 67.508, 161.367 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, 67.508, 161.367 by changing the saturation by 10% instead.


 90, 67.508,
161.367


 90, 67.508,
161.367


 100, 67.508,
161.367


 80, 67.508,
161.367

 70, 67.508,
161.367

 60, 67.508,
161.367

 50, 67.508,
161.367

 40, 67.508,
161.367

 30, 67.508,
161.367

 20, 67.508,

161.367

■ 10, 67.508,
161.367

■ 0, 67.508, 161.367

■ 90, 67.508,
161.367

■ 90, 67.508,
161.367

■ 89, 72.071,
159.493

■ 90, 61.083,
163.442

■ 89, 76.194,
157.230

■ 91, 54.096,
165.105

■ 89, 76.746,
156.913

■ 92, 46.201,
166.584

■ 93, 37.540,
167.907

■ 95, 28.280,
169.099

■ 96, 18.594,
170.186

■ 98, 8.643, 171.205

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, 67.508, 161.367



58, 77.199, 6.394

Rectangle

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



90, 67.508, 161.367



90, 67.508, 211.367



90, 67.508, 341.367



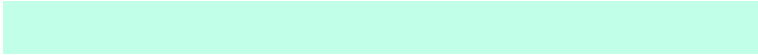
90, 67.508, 31.367

Sweetspot

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



90, 67.077, 161.575



96, 23.881, 169.609



90, 101.993, 130.579



50, 16.334, 169.214



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, 67.077, 161.575



89, 74.389, 158.282



84, 41.940, 216.868



52, 5.721, 171.112



69, 61.350, 157.341



23, 26.759, 160.485

Inverse Universe

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



58, 77.199, 6.394



55, 84.108, 13.458



59, 82.639, 38.849



50, 5.850, 352.768



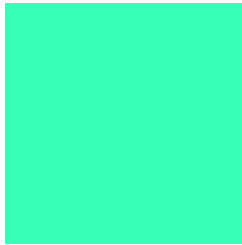
40, 69.001, 15.655



10, 31.294, 8.170

Previews

White Background



This preview shows how the CIE LCh color 90, 67.508, 161.367 looks on a white background.

Color Contrast Check

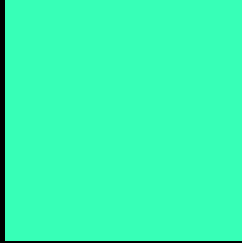
Large Text (above 18pt) WCAG AA × Fail

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, 67.508, 161.367 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

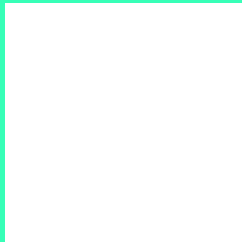
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 67.508, 161.367

Background



This preview shows how black text looks on a background with the CIELCh color 90, 67.508, 161.367.

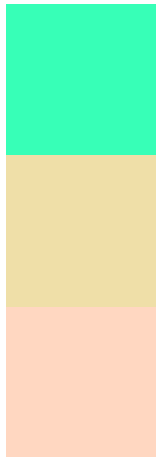


This preview shows how white text looks on a background with the CIELCh color 90, 67.508, 161.367.

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, 66.981, 161.616

Protanopia

89, 29.109, 95.264

Deuteranopia

89, 19.294, 56.263



Tritanopia
90, 29.882, 212.935

Trichromacy



Original Color
90, 66.981, 161.616



Protanomaly
88, 39.673, 143.022



Deuteranomaly
87, 27.712, 147.276

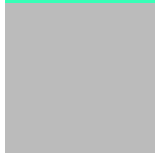


Tritanomaly
89, 40.839, 184.922

Monochromacy



Original Color
90, 66.981, 161.616



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 29.297, 167.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 67.508, 161.367 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 67.508, 161.367 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, 183) }
```

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

```
.border{ border-color:rgb(55, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 67.508, 161.367 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, 183) }
```

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

```
.background{ background-color: rgb(55, 255,  
183) }
```

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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