

Converting Colors

CIELCh(100, 76.611, 158.458)

Have a look what the booklet for
CIELCh(100, 76.611, 158.458)
contains.

CIELCh(90, 60.739, 166.019)	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, 60.739, 166.019)

Conversions

Conversions Part 1

Format	Color
Hex	44FEC4
RGB	68, 254, 196
RGB Percent	27%, 100%, 77%
CMY	0.7334, 0.0027, 0.2300
CMYK	0.73, 0.00, 0.23, 0.00
HSL	161°, 99%, 63%
HSV	161°, 73%, 100%
XYZ	47.9222, 76.3034, 64.6323
YIQ	191.7740, -92.2380, -57.4700

Conversions

Conversions Part 2

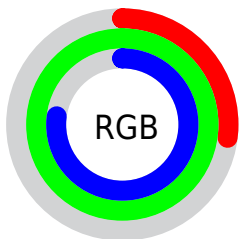
Format	Color
RYB	68, 178, 254
Decimal	4521668
CIELab	90.00, -58.94, 14.67
CIELCh	90, 60.739, 166.019
Yxy	76.3034, 0.2537, 0.4040
Android (android.graphics.Color)	4282711748 (0xFF44FEC4)
YUV	191.7740, 2.0834, -108.5498
Hunter-Lab	87.3518, -54.9385, 17.2771

Details

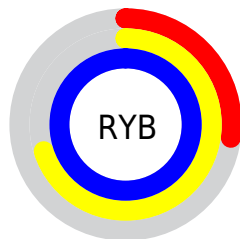
The CIELCh color **90, 60.739, 166.019** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **59, 73.434, 8.452**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.442, 195.561**, and **70, 56.255, 163.766** is the 20% darker color. If you saturate the color by 10%, you get **90, 65.717, 164.117**, and if you desaturate by 10%, it is **91, 54.748, 167.718**.

Distribution



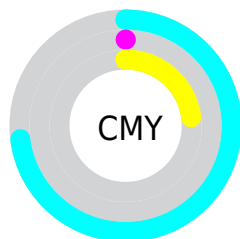
- Red (27%)
- Green (100%)
- Blue (77%)



- Red (27%)
- Yellow (70%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 60.739, 166.019 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, 60.739, 166.019 by changing the saturation by 10% instead.


 90, 60.739,
166.019


 90, 60.739,
166.019


 100, 60.739,
166.019


 80, 60.739,
166.019

 70, 60.739,
166.019

 60, 60.739,
166.019

 50, 60.739,
166.019

 40, 60.739,
166.019

 30, 60.739,
166.019

 20, 60.739,

166.019

■ 10, 60.739,
166.019

■ 0, 60.739, 166.019

■ 90, 60.739,
166.019

■ 90, 60.739,
166.019

■ 90, 65.717,
164.117

■ 91, 54.748,
167.718

■ 89, 69.730,
162.010

■ 92, 47.785,
169.235

■ 89, 72.027,
160.518

■ 93, 39.960,
170.594

■ 94, 31.424,
171.824

95, 22.343,
172.947

97, 12.881,
173.991

99, 3.189, 175.077

100, 0.442,
323.756

Harmonies

Complementary

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



90, 60.739, 166.019



59, 73.434, 8.452

Rectangle

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



90, 60.739, 166.019



90, 60.739, 216.019



90, 60.739, 346.019



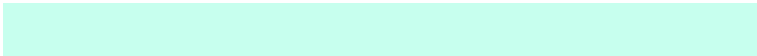
90, 60.739, 36.019

Sweetspot

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



90, 60.739, 166.018



96, 21.208, 173.082



90, 98.378, 131.859



51, 14.197, 172.790



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, 60.739, 166.018



90, 67.874, 163.142



82, 39.979, 224.520



52, 5.548, 174.374



69, 57.745, 160.931



23, 25.336, 163.960

Inverse Universe

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



59, 73.434, 8.452



55, 82.652, 14.808



63, 74.089, 40.741



50, 5.698, 356.051



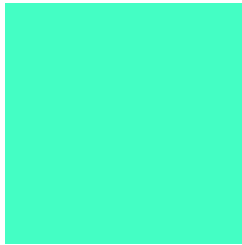
40, 70.317, 20.257



10, 31.418, 11.964

Previews

White Background



This preview shows how the CIE LCh color 90, 60.739, 166.019 looks on a white background.

Color Contrast Check

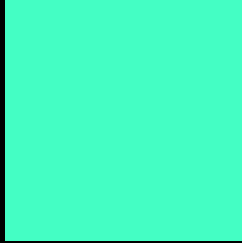
Large Text (above 18pt) WCAG AA × Fail

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, 60.739, 166.019 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, 60.739, 166.019

Background



This preview shows how black text looks on a background with the CIELCh color 90, 60.739, 166.019.

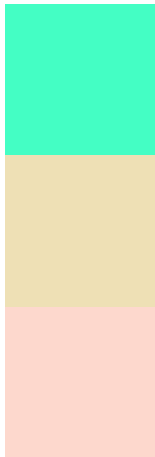


This preview shows how white text looks on a background with the CIELCh color 90, 60.739, 166.019.

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, 60.708, 165.970

Protanopia
89, 22.891, 94.617

Deuteranopia
89, 15.124, 42.322



Tritanopia
90, 28.724, 213.630

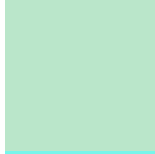
Trichromacy



Original Color
90, 60.708, 165.970



Protanomaly
88, 32.949, 148.229



Deuteranomaly
88, 21.606, 155.477

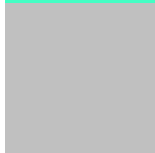


Tritanomaly
89, 38.282, 188.285

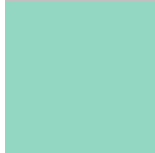
Monochromacy



Original Color
90, 60.708, 165.970



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 26.123, 172.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 60.739, 166.019 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(68, 254, 196)` looks like.

```
.text, #text, p{  
    color:rgb(68, 254, 196)  
}
```

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(68, 254, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 254, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 60.739, 166.019 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(68, 254, 196) }
```

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

```
.border{ border-color:rgb(68, 254, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 254, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 254, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 254, 196);  
box-shadow:4px 4px 4px 4px rgb(68, 254,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 60.739, 166.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 254, 196) }
```

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

```
.background{ background-color: rgb(68, 254,  
196) }
```

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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