

Converting Colors

CIELCh(90, 61.556, 167.906)

Have a look what the booklet for
CIELCh(90, 61.556, 167.906)
contains.

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Color

CIELCh(90, 61.502, 167.970)

Conversions

Conversions Part 1

Format	Color
Hex	33FFC8
RGB	51, 255, 200
RGB Percent	20%, 100%, 78%
CMY	0.8009, 0.0005, 0.2161
CMYK	0.80, 0.00, 0.22, 0.00
HSL	164°, 100%, 60%
HSV	164°, 80%, 100%
XYZ	47.4858, 76.3034, 66.7972
YIQ	187.7340, -103.9290, -60.3530

Conversions

Conversions Part 2

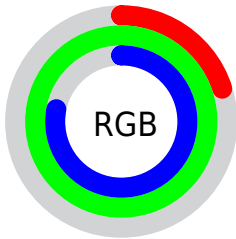
Format	Color
RYB	51, 169, 255
Decimal	3407816
CIELab	90.00, -60.15, 12.82
CIELCh	90, 61.502, 167.970
Yxy	76.3034, 0.2492, 0.4004
Android (android.graphics.Color)	4281597896 (0xFF33FFC8)
YUV	187.7340, 6.0471, -119.9157
Hunter-Lab	87.3518, -55.8303, 15.8077

Details

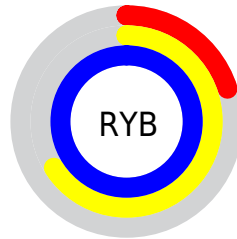
The CIELCh color **90, 61.502, 167.970** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **57, 78.756, 14.641**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **71, 55.285, 165.190** is the 20% darker color. If you saturate the color by 10%, you get **90, 65.362, 166.017**, and if you desaturate by 10%, it is **91, 56.641, 169.723**.

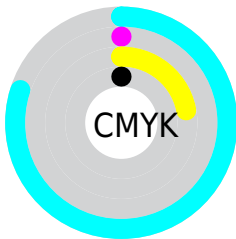
Distribution



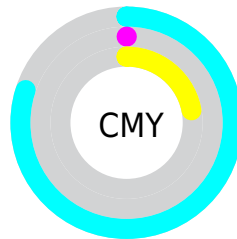
- Red (20%)
- Green (100%)
- Blue (78%)



- Red (20%)
- Yellow (66%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 61.502, 167.970 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, 61.502, 167.970 by changing the saturation by 10% instead.


 90, 61.502,
167.970


 90, 61.502,
167.970


 100, 61.502,
167.970


 80, 61.502,
167.970

 70, 61.502,
167.970

 60, 61.502,
167.970


 50, 61.502,
167.970

 40, 61.502,
167.970


 30, 61.502,
167.970


 20, 61.502,


167.970


 10, 61.502,
167.970


 0, 61.502, 167.970


 90, 61.502,
167.970


 90, 61.502,
167.970


 90, 65.362,
166.017

 91, 56.641,
169.723

 89, 68.392,
163.921

 91, 50.754,
171.293

 92, 43.901,
172.702

 93, 36.201,
173.975

■ 95, 27.807,
175.138

■ 96, 18.884,
176.214

■ 98, 9.589, 177.235

100, 0.068,
186.695

100, 0.085,
320.792

Harmonies

Complementary

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



90, 61.502, 167.970



57, 78.756, 14.641

Rectangle

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



90, 61.502, 167.970



90, 61.502, 217.970



90, 61.502, 347.970



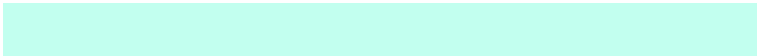
90, 61.502, 37.970

Sweetspot

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



90, 61.502, 167.969



96, 22.446, 175.801



89, 105.546, 132.665



50, 15.324, 175.416



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, 61.502, 167.969



90, 67.249, 164.770



79, 41.601, 232.435



52, 5.415, 177.293



69, 54.777, 164.319



23, 24.174, 167.204

Inverse Universe

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



57, 78.756, 14.641



54, 87.832, 22.816



61, 80.884, 43.387



50, 5.584, 358.967



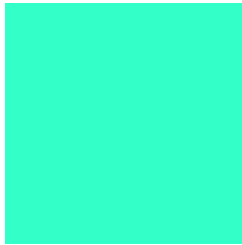
40, 71.817, 23.967



10, 31.599, 14.790

Previews

White Background



This preview shows how the CIE LCh color 90, 61.502, 167.970 looks on a white background.

Color Contrast Check

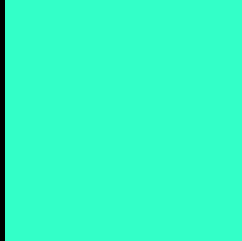
Large Text (above 18pt) WCAG AA × Fail

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, 61.502, 167.970 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

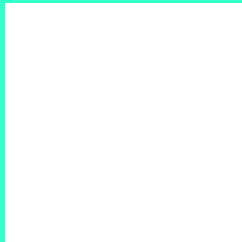
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 61.502, 167.970

Background



This preview shows how black text looks on a background with the CIELCh color 90, 61.502, 167.970.

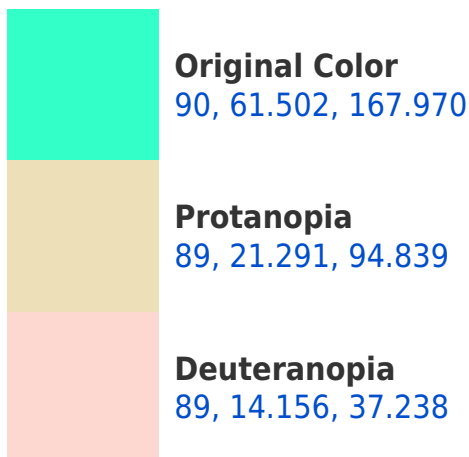


This preview shows how white text looks on a background with the CIELCh color 90, 61.502, 167.970.

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, 61.502, 167.970



Protanomaly
88, 33.375, 152.745



Deuteranomaly
87, 22.387, 162.198

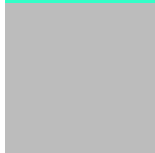


Tritanomaly
89, 39.517, 189.247

Monochromacy



Original Color
90, 61.502, 167.970



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 27.543, 174.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 61.502, 167.970 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(51, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 200)  
}
```

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(51, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 61.502, 167.970 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(51, 255, 200) }
```

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

```
.border{ border-color:rgb(51, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 61.502, 167.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 200) }
```

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

```
.background{ background-color: rgb(51, 255,  
200) }
```

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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