

Converting Colors

CIELCh(90, 62.806, 166.443)

Have a look what the booklet for
CIELCh(90, 62.806, 166.443)
contains.

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Color

CIELCh(90, 62.829, 166.417)

Conversions

Conversions Part 1

Format	Color
Hex	33FFC4
RGB	51, 255, 196
RGB Percent	20%, 100%, 77%
CMY	0.7990, 0.0000, 0.2309
CMYK	0.80, 0.00, 0.23, 0.00
HSL	163°, 100%, 60%
HSV	163°, 80%, 100%
XYZ	47.1561, 76.3034, 64.5388
YIQ	187.2780, -102.6450, -61.5970

Conversions

Conversions Part 2

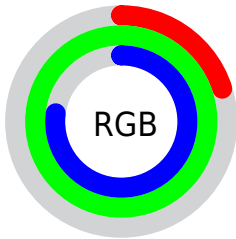
Format	Color
RYB	51, 170, 255
Decimal	3407812
CIELab	90.00, -61.07, 14.76
CIELCh	90, 62.829, 166.417
Yxy	76.3034, 0.2508, 0.4059
Android (android.graphics.Color)	4281597892 (0xFF33FFC4)
YUV	187.2780, 4.2999, -119.5158
Hunter-Lab	87.3518, -56.5041, 17.3405

Details

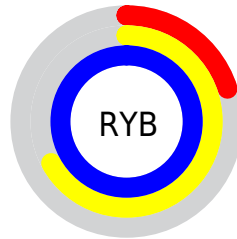
The CIELCh color **90, 62.829, 166.417** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **57, 78.376, 12.926**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.441, 195.535**, and **71, 56.742, 163.449** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.858, 164.459**, and if you desaturate by 10%, it is **91, 57.676, 168.247**.

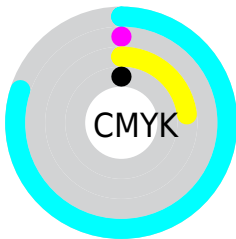
Distribution



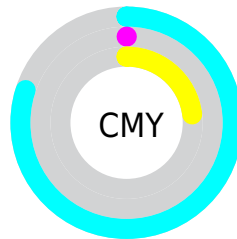
- Red (20%)
- Green (100%)
- Blue (77%)



- Red (20%)
- Yellow (67%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 62.829, 166.417 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, 62.829, 166.417 by changing the saturation by 10% instead.


 90, 62.829,
166.417


 90, 62.829,
166.417


 100, 62.829,
166.417


 80, 62.829,
166.417

 70, 62.829,
166.417

 60, 62.829,
166.417

 50, 62.829,
166.417

 40, 62.829,
166.417

 30, 62.829,
166.417

 20, 62.829,

166.417

■ 10, 62.829,
166.417

■ 0, 62.829, 166.417

■ 90, 62.829,
166.417

■ 90, 62.829,
166.417

■ 90, 66.858,
164.459

■ 91, 57.676,
168.247

■ 89, 70.136,
162.301

■ 91, 51.567,
169.850

■ 89, 70.167,
162.280

■ 92, 44.504,
171.284

■ 93, 36.610,
172.578

95, 28.040,
173.755

96, 18.961,
174.840

98, 9.533, 175.866

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, 62.829, 166.417



57, 78.376, 12.926

Rectangle

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



90, 62.829, 166.417



90, 62.829, 216.417



90, 62.829, 346.417



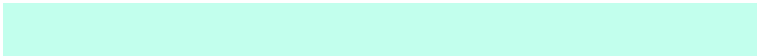
90, 62.829, 36.417

Sweetspot

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



90, 62.767, 166.455



96, 22.734, 174.405



90, 104.983, 132.283



50, 15.527, 174.016



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

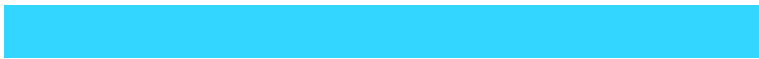
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 62.767, 166.455



89, 68.913, 163.147



80, 41.477, 229.265



52, 5.476, 175.907



69, 56.157, 162.687



23, 24.714, 165.646

Inverse Universe

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



57, 78.376, 12.926



54, 86.992, 21.099



61, 81.404, 42.438



50, 5.635, 357.584



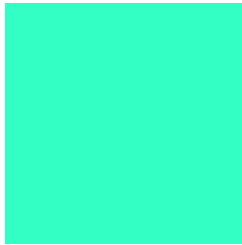
40, 71.073, 22.252



10, 31.508, 13.508

Previews

White Background



This preview shows how the CIE LCh color 90, 62.829, 166.417 looks on a white background.

Color Contrast Check

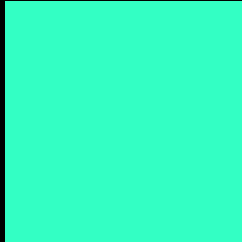
Large Text (above 18pt) WCAG AA × Fail

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, 62.829, 166.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

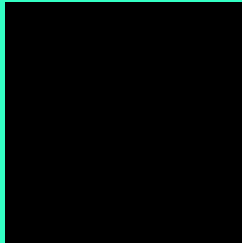
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 62.829, 166.417

Background



This preview shows how black text looks on a background with the CIELCh color 90, 62.829, 166.417.

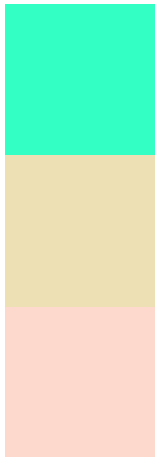


This preview shows how white text looks on a background with the CIELCh color 90, 62.829, 166.417.

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, 62.829, 166.417

Protanopia
89, 22.891, 94.617

Deuteranopia
89, 15.124, 42.322



Tritanopia
90, 29.423, 213.205

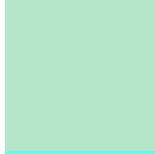
Trichromacy



Original Color
90, 62.829, 166.417



Protanomaly
88, 34.719, 150.059



Deuteranomaly
87, 23.155, 158.709

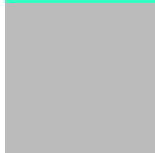


Tritanomaly
89, 39.885, 188.531

Monochromacy



Original Color
90, 62.829, 166.417



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 28.086, 172.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 62.829, 166.417 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 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(51, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 62.829, 166.417 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, 196) }
```

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

```
.border{ border-color:rgb(51, 255, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 62.829, 166.417 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, 196) }
```

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

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