

Converting Colors

CIELCh(90, 61.806, 166.019)

Have a look what the booklet for
CIELCh(90, 61.806, 166.019)
contains.

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Color

CIELCh(90, 61.922, 166.017)

Conversions

Conversions Part 1

Format	Color
Hex	3DFFC4
RGB	61, 255, 196
RGB Percent	24%, 100%, 77%
CMY	0.7625, 0.0010, 0.2323
CMYK	0.76, 0.00, 0.23, 0.00
HSL	162°, 100%, 62%
HSV	162°, 76%, 100%
XYZ	47.5088, 76.3034, 64.3008
YIQ	190.2680, -96.6850, -59.4770

Conversions

Conversions Part 2

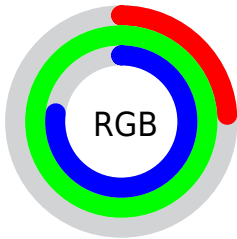
Format	Color
RYB	61, 175, 255
Decimal	4063172
CIELab	90.00, -60.09, 14.96
CIELCh	90, 61.922, 166.017
Yxy	76.3034, 0.2526, 0.4056
Android (android.graphics.Color)	4282253252 (0xFF3DFFC4)
YUV	190.2680, 2.8259, -113.3680
Hunter-Lab	87.3518, -55.7832, 17.5021

Details

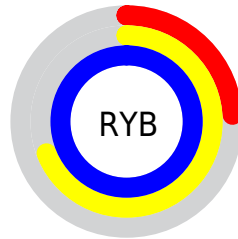
The CIELCh color **90, 61.922, 166.017** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **58, 75.686, 10.167**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.346, 195.550**, and **71, 56.742, 163.449** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.531, 164.066**, and if you desaturate by 10%, it is **91, 56.300, 167.762**.

Distribution



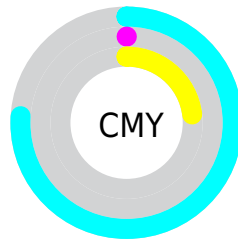
- Red (24%)
- Green (100%)
- Blue (77%)



- Red (24%)
- Yellow (69%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 61.922, 166.017 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, 61.922, 166.017 by changing the saturation by 10% instead.


 90, 61.922,
166.017


 90, 61.922,
166.017


 100, 61.922,
166.017


 80, 61.922,
166.017

 70, 61.922,
166.017

 60, 61.922,
166.017

 50, 61.922,
166.017

 40, 61.922,
166.017

 30, 61.922,
166.017

 20, 61.922,

166.017

■ 10, 61.922,
166.017

■ 0, 61.922, 166.017

■ 90, 61.922,
166.017

■ 90, 61.922,
166.017

■ 90, 66.531,
164.066

■ 91, 56.300,
167.762

■ 89, 70.210,
161.916

■ 91, 49.681,
169.321

■ 89, 71.456,
161.087

■ 92, 42.158,
170.718

■ 94, 33.870,
171.978

■ 95, 24.980,
173.126

■ 97, 15.655,
174.189

■ 99, 6.050, 175.219

100, 0.172,
322.650

Harmonies

Complementary

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



90, 61.922, 166.017



58, 75.686, 10.167

Rectangle

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



90, 61.922, 166.017



90, 61.922, 216.017



90, 61.922, 346.017



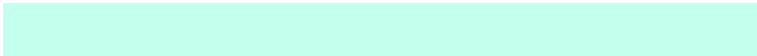
90, 61.922, 36.017

Sweetspot

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



90, 61.922, 166.016



96, 22.034, 173.477



90, 101.280, 131.851



51, 15.169, 173.083



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, 61.922, 166.016



89, 68.451, 163.061



81, 40.715, 225.221



52, 5.524, 174.875



69, 57.219, 161.499



23, 25.130, 164.507

Inverse Universe

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



58, 75.686, 10.167



55, 84.254, 17.006



62, 77.716, 41.101



50, 5.677, 356.552



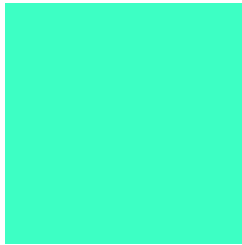
40, 70.556, 20.920



10, 31.446, 12.484

Previews

White Background



This preview shows how the CIE LCh color 90, 61.922, 166.017 looks on a white background.

Color Contrast Check

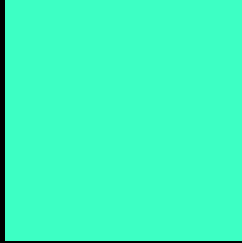
Large Text (above 18pt) WCAG AA × Fail

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, 61.922, 166.017 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, 61.922, 166.017

Background



This preview shows how black text looks on a background with the CIELCh color 90, 61.922, 166.017.

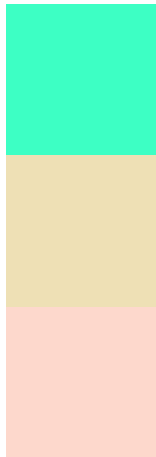


This preview shows how white text looks on a background with the CIELCh color 90, 61.922, 166.017.

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, 61.922, 166.017

Protanopia

89, 22.891, 94.617

Deuteranopia

89, 15.354, 44.053



Tritanopia
90, 28.959, 213.486

Trichromacy



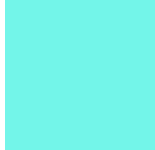
Original Color
90, 61.922, 166.017



Protanomaly
88, 34.035, 148.897



Deuteranomaly
87, 22.741, 156.202



Tritanomaly
89, 39.075, 187.630

Monochromacy



Original Color
90, 61.922, 166.017



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 27.242, 171.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 61.922, 166.017 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(61, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 61.922, 166.017 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(61, 255, 196) }
```

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

```
.border{ border-color:rgb(61, 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(61, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 61.922, 166.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 196) }
```

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

```
.background{ background-color: rgb(61, 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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