

Converting Colors

CIELCh(90, 65.805, 166.589)

Have a look what the booklet for
CIELCh(90, 65.805, 166.589)
contains.

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Color

CIELCh(90, 65.266, 166.922)

Conversions

Conversions Part 1

Format	Color
Hex	0FFFC4
RGB	15, 255, 196
RGB Percent	6%, 100%, 77%
CMY	0.9420, 0.0000, 0.2313
CMYK	0.94, 0.00, 0.23, 0.00
HSL	165°, 100%, 53%
HSV	165°, 94%, 100%
XYZ	46.2677, 76.3034, 64.5243
YIQ	176.5140, -124.1010, -69.2290

Conversions

Conversions Part 2

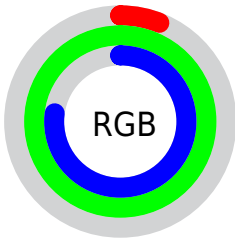
Format	Color
RYB	15, 152, 255
Decimal	1048516
CIELab	90.00, -63.57, 14.77
CIELCh	90, 65.266, 166.922
Yxy	76.3034, 0.2473, 0.4078
Android (android.graphics.Color)	4279238596 (0xFF0FFFC4)
YUV	176.5140, 9.6066, -141.6478
Hunter-Lab	87.3518, -58.3194, 17.3504

Details

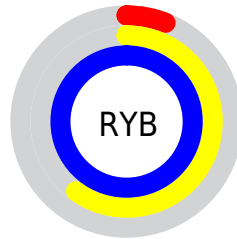
The CIELCh color **90, 65.266, 166.922** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 88.020, 23.835**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.904, 195.490**, and **71, 56.742, 163.449** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.318, 166.041**, and if you desaturate by 10%, it is **90, 61.550, 169.198**.

Distribution



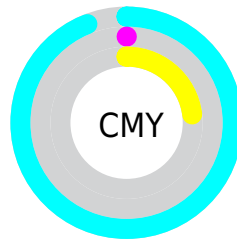
- Red (6%)
- Green (100%)
- Blue (77%)



- Red (6%)
- Yellow (60%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 65.266, 166.922 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, 65.266, 166.922 by changing the saturation by 10% instead.


 90, 65.266,
166.922


 90, 65.266,
166.922


 100, 65.266,
166.922


 80, 65.266,
166.922


 70, 65.266,
166.922

 60, 65.266,
166.922

 50, 65.266,
166.922

 40, 65.266,
166.922

 30, 65.266,
166.922

 20, 65.266,

166.922

■ 10, 65.266,
166.922

■ 0, 65.266, 166.922

■ 90, 65.266,
166.922

■ 90, 65.266,
166.922

■ 90, 66.318,
166.041

■ 90, 61.550,
169.198

■ 90, 57.365,
170.969

■ 91, 52.144,
172.556

■ 92, 45.913,
173.982

■ 93, 38.763,
175.271

■ 94, 30.835,
176.448

■ 96, 22.286,
177.536

■ 97, 13.279,
178.561

■ 99, 3.964, 179.611

Harmonies

Complementary

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



90, 65.266, 166.922



54, 88.020, 23.835

Rectangle

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



90, 65.266, 166.922



90, 65.266, 216.922



90, 65.266, 346.922



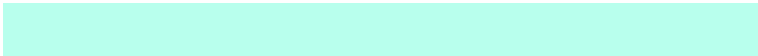
90, 65.266, 36.922

Sweetspot

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



90, 64.767, 167.236



95, 25.599, 177.132



88, 114.933, 133.831



50, 17.507, 176.659



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

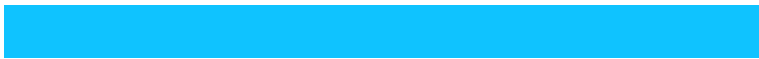
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 64.767, 167.236



90, 66.318, 166.041



74, 45.032, 244.537



52, 5.346, 179.033



69, 53.123, 166.427



23, 23.529, 169.203

Inverse Universe

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



54, 88.020, 23.835



54, 91.135, 27.068



58, 93.533, 45.186



50, 5.526, 0.695



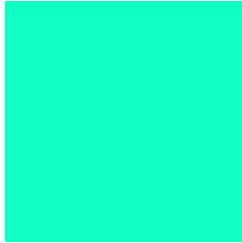
40, 72.818, 25.994



10, 31.724, 16.254

Previews

White Background



This preview shows how the CIE LCh color 90, 65.266, 166.922 looks on a white background.

Color Contrast Check

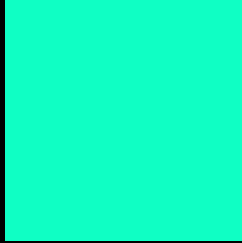
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 65.266, 166.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

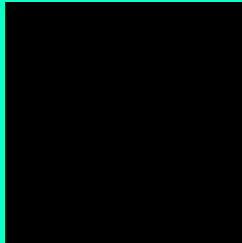
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

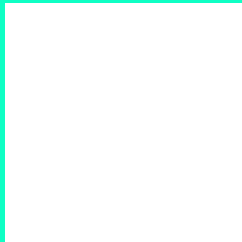
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 65.266, 166.922

Background



This preview shows how black text looks on a background with the CIELCh color 90, 65.266, 166.922.

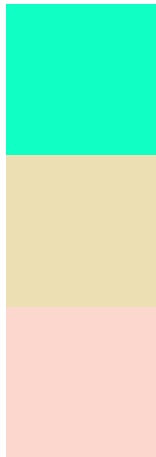


This preview shows how white text looks on a background with the CIELCh color 90, 65.266, 166.922.

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, 64.768, 167.226

Protanopia

89, 22.910, 94.605

Deuteranopia

89, 14.924, 40.538

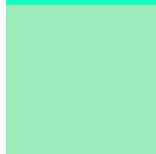


Tritanopia
89, 30.561, 212.550

Trichromacy



Original Color
90, 64.768, 167.226



Protanomaly
87, 37.975, 154.725



Deuteranomaly
86, 26.874, 164.508



Tritanomaly
89, 42.750, 188.906

Monochromacy



Original Color
90, 64.768, 167.226



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 31.817, 175.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 65.266, 166.922 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(15, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 65.266, 166.922 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(15, 255, 196) }
```

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

```
.border{ border-color:rgb(15, 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(15, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 65.266, 166.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 196) }
```

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

```
.background{ background-color: rgb(15, 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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