

Converting Colors

CIELCh(88, 80.340, 170.861)

Have a look what the booklet for
CIELCh(88, 80.340, 170.861)
contains.

CIELCh(90, 65.772, 166.624)	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, 65.772, 166.624)

Conversions

Conversions Part 1

Format	Color
Hex	08FFC3
RGB	8, 255, 195
RGB Percent	3%, 100%, 76%
CMY	0.9674, 0.0000, 0.2347
CMYK	0.97, 0.00, 0.23, 0.00
HSL	165°, 100%, 52%
HSV	165°, 97%, 100%
XYZ	46.1215, 76.3034, 64.0101
YIQ	174.3070, -127.9520, -71.0240

Conversions

Conversions Part 2

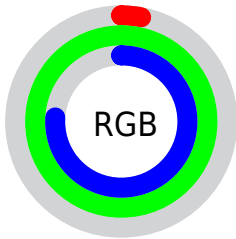
Format	Color
RYB	8, 149, 255
Decimal	589763
CIELab	90.00, -63.99, 15.22
CIELCh	90, 65.772, 166.624
Yxy	76.3034, 0.2474, 0.4093
Android (android.graphics.Color)	4278779843 (0xFF08FFC3)
YUV	174.3070, 10.2016, -145.8512
Hunter-Lab	87.3518, -58.6181, 17.6995

Details

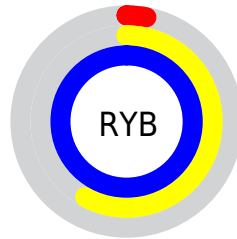
The CIELCh color **90, 65.772, 166.624** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **54, 89.512, 25.516**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 39.414, 194.716**, and **71, 57.111, 163.027** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.068, 166.307**, and if you desaturate by 10%, it is **90, 62.245, 168.970**.

Distribution



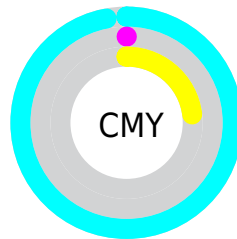
- Red (3%)
- Green (100%)
- Blue (76%)



- Red (3%)
- Yellow (58%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 65.772, 166.624 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, 65.772, 166.624 by changing the saturation by 10% instead.


 90, 65.772,
166.624


 90, 65.772,
166.624


 100, 65.772,
166.624


 80, 65.772,
166.624

 70, 65.772,
166.624

 60, 65.772,
166.624


 50, 65.772,
166.624

 40, 65.772,
166.624


 30, 65.772,
166.624


 20, 65.772,


166.624


 10, 65.772,
166.624


 0, 65.772, 166.624


 90, 65.772,
166.624


 90, 65.772,
166.624

 90, 66.068,
166.307

 90, 62.245,
168.970

 90, 58.348,
170.781

 91, 53.422,
172.405

 92, 47.469,
173.863

■ 93, 40.568,
175.179

■ 94, 32.847,
176.378

■ 95, 24.463,
177.484

■ 97, 15.576,
178.519

■ 99, 6.343, 179.533

Harmonies

Complementary

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



90, 65.772, 166.624



54, 89.512, 25.516

Rectangle

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



90, 65.772, 166.624



90, 65.772, 216.624



90, 65.772, 346.624



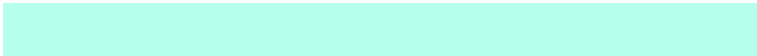
90, 65.772, 36.624

Sweetspot

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



90, 65.211, 166.971



95, 26.409, 177.241



88, 115.838, 134.001



50, 17.947, 176.771



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, 65.211, 166.971



90, 66.068, 166.307



73, 45.453, 245.735



52, 5.338, 179.246



69, 52.926, 166.690



23, 23.453, 169.452

Inverse Universe

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



54, 89.512, 25.516



54, 91.302, 27.306



58, 95.381, 44.928



50, 5.519, 0.907



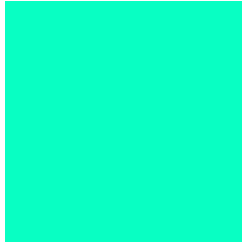
40, 72.945, 26.234



10, 31.740, 16.424

Previews

White Background



This preview shows how the CIE LCh color 90, 65.772, 166.624 looks on a white background.

Color Contrast Check

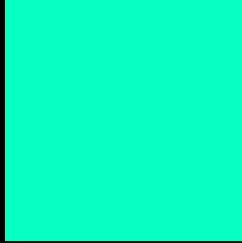
Large Text (above 18pt) WCAG AA × Fail

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, 65.772, 166.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

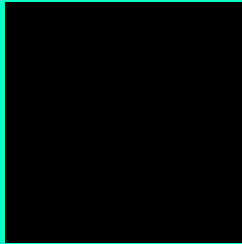
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 65.772, 166.624

Background



This preview shows how black text looks on a background with the CIELCh color 90, 65.772, 166.624.

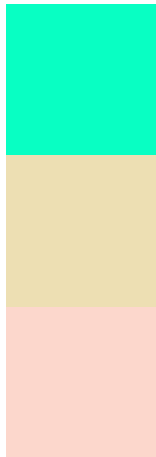


This preview shows how white text looks on a background with the CIELCh color 90, 65.772, 166.624.

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, 65.266, 166.922

Protanopia

89, 23.412, 94.842

Deuteranopia

89, 15.140, 42.321

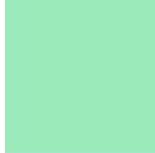


Tritanopia
89, 30.785, 212.426

Trichromacy



Original Color
90, 65.266, 166.922



Protanomaly
87, 38.821, 154.760



Deuteranomaly
86, 27.996, 164.631

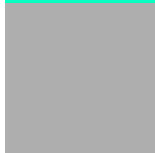


Tritanomaly
89, 43.420, 188.282

Monochromacy



Original Color
90, 65.266, 166.922



Achromatopsia
71, 0.009, 296.813



Achromatomaly
76, 31.817, 176.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 65.772, 166.624 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(8, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(8, 255, 195)  
}
```

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(8, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 255, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 65.772, 166.624 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(8, 255, 195) }
```

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

```
.border{ border-color:rgb(8, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(8, 255,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 65.772, 166.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 255, 195) }
```

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

```
.background{ background-color: rgb(8, 255,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor