

Converting Colors

CIELCh(90, 64.798, 167.498)

Have a look what the booklet for
CIELCh(90, 64.798, 167.498)
contains.

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Color

CIELCh(90, 64.487, 167.621)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 12FFC6 |
| RGB | 18, 255, 198 |
| RGB Percent | 7%, 100%, 78% |
| CMY | 0.9303, 0.0000, 0.2241 |
| CMYK | 0.93, 0.00, 0.22, 0.00 |
| HSL | 166°, 100%, 53% |
| HSV | 166°, 93%, 100% |
| XYZ | 46.4746, 76.3034, 65.6178 |
| YIQ | 177.6390, -122.9550, -67.9710 |

Conversions

Conversions Part 2

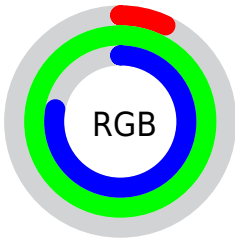
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 18, 153, 255 |
| Decimal | 1245126 |
| CIELab | 90.00, -62.99, 13.82 |
| CIELCh | 90, 64.487, 167.621 |
| Yxy | 76.3034, 0.2467, 0.4050 |
| Android (android.graphics.Color) | 4279435206 (0xFF12FFC6) |
| YUV | 177.6390, 10.0380, -140.0034 |
| Hunter-Lab | 87.3518, -57.8966, 16.6082 |

Details

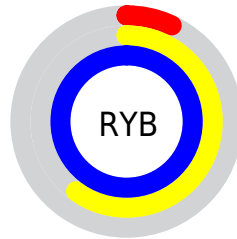
The CIELCh color **90, 64.487, 167.621** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **54, 87.593, 23.572**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **71, 56.010, 164.309** is the 20% darker color. If you saturate the color by 10%, you get **90, 65.915, 166.470**, and if you desaturate by 10%, it is **90, 60.796, 169.818**.

Distribution



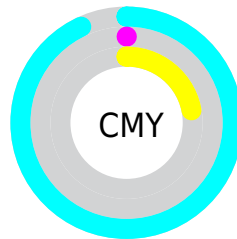
- Red (7%)
- Green (100%)
- Blue (78%)



- Red (7%)
- Yellow (60%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 64.487, 167.621 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, 64.487, 167.621 by changing the saturation by 10% instead.


 90, 64.487,
167.621


 90, 64.487,
167.621


 100, 64.487,
167.621


 80, 64.487,
167.621

 70, 64.487,
167.621

 60, 64.487,
167.621

 50, 64.487,
167.621

 40, 64.487,
167.621

 30, 64.487,
167.621

 20, 64.487,

167.621

■ 10, 64.487,
167.621

■ 0, 64.487, 167.621

■ 90, 64.487,
167.621

■ 90, 64.487,
167.621

■ 90, 65.915,
166.470

■ 90, 60.796,
169.818

■ 91, 56.541,
171.552

■ 91, 51.247,
173.108

■ 92, 44.947,
174.506

■ 93, 37.741,
175.773

■ 94, 29.769,
176.932

■ 96, 21.192,
178.007

■ 98, 12.171,
179.023

■ 99, 2.854, 180.120

Harmonies

Complementary

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



90, 64.487, 167.621



54, 87.593, 23.572

Rectangle

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



90, 64.487, 167.621



90, 64.487, 217.621



90, 64.487, 347.621



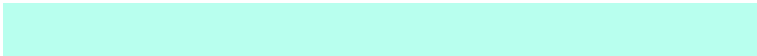
90, 64.487, 37.621

Sweetspot

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



90, 64.068, 167.892



95, 25.523, 177.482



89, 114.456, 133.761



50, 17.453, 177.011



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

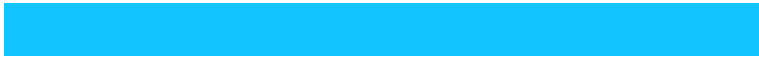
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 64.068, 167.892



90, 65.915, 166.470



74, 44.832, 243.997



52, 5.333, 179.377



69, 52.806, 166.852



23, 23.406, 169.605

Inverse Universe

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



54, 87.593, 23.572



54, 91.405, 27.450



59, 92.596, 45.277



50, 5.515, 1.037



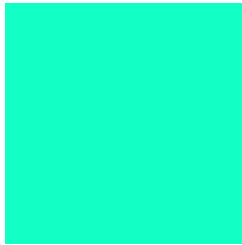
40, 73.024, 26.379



10, 31.749, 16.527

Previews

White Background



This preview shows how the CIE LCh color 90, 64.487, 167.621 looks on a white background.

Color Contrast Check

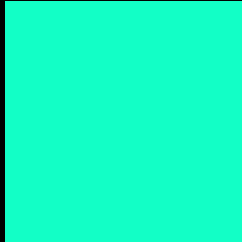
Large Text (above 18pt) WCAG AA × Fail

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, 64.487, 167.621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

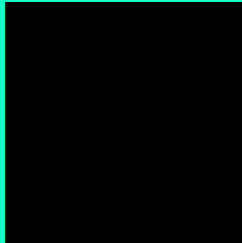
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

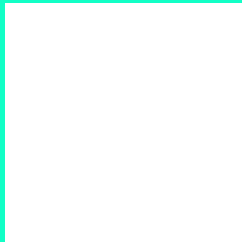
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 64.487, 167.621

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.487, 167.621.

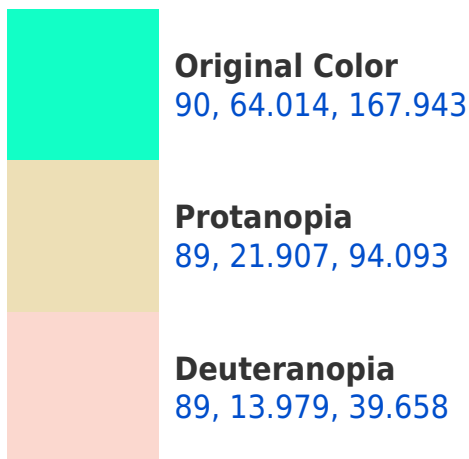



This preview shows how white text looks on a background with the CIELCh color 90, 64.487, 167.621.

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](#).

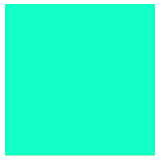
Dichromacy



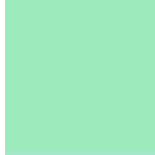


Tritanopia
89, 30.561, 212.550

Trichromacy



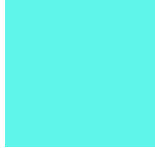
Original Color
90, 64.014, 167.943



Protanomaly
87, 36.985, 155.548



Deuteranomaly
87, 26.240, 166.341

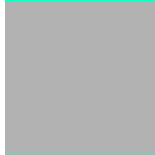


Tritanomaly
89, 42.584, 188.887

Monochromacy



Original Color
90, 64.014, 167.943



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 31.037, 175.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.487, 167.621 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(18, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(18, 255, 198)  
}
```

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(18, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 255, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.487, 167.621 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(18, 255, 198) }
```

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

```
.border{ border-color:rgb(18, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(18, 255,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.487, 167.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 255, 198) }
```

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

```
.background{ background-color: rgb(18, 255,  
198) }
```

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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