

Converting Colors

CIELCh(90, 64.039, 165.391)

Have a look what the booklet for
CIELCh(90, 64.039, 165.391)
contains.

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Color

CIELCh(90, 64.003, 165.364)

Conversions

Conversions Part 1

Format	Color
Hex	32FFC1
RGB	50, 255, 193
RGB Percent	20%, 100%, 76%
CMY	0.8049, 0.0000, 0.2417
CMYK	0.80, 0.00, 0.24, 0.00
HSL	162°, 100%, 60%
HSV	162°, 80%, 100%
XYZ	46.8513, 76.3034, 62.9201
YIQ	186.6370, -102.2780, -62.7420

Conversions

Conversions Part 2

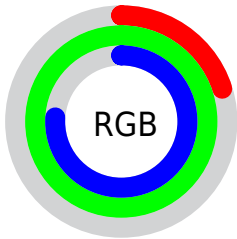
Format	Color
RYB	50, 171, 255
Decimal	3342273
CIELab	90.00, -61.93, 16.17
CIELCh	90, 64.003, 165.364
Yxy	76.3034, 0.2518, 0.4101
Android (android.graphics.Color)	4281532353 (0xFF32FFC1)
YUV	186.6370, 3.1370, -119.8306
Hunter-Lab	87.3518, -57.1267, 18.4392

Details

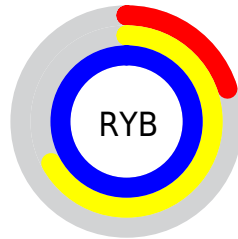
The CIELCh color **90, 64.003, 165.364** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **57, 78.614, 12.220**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.022, 193.091**, and **71, 57.852, 162.198** is the 20% darker color. If you saturate the color by 10%, you get **90, 67.981, 163.439**, and if you desaturate by 10%, it is **90, 58.667, 167.296**.

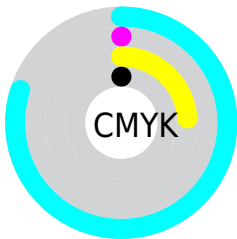
Distribution



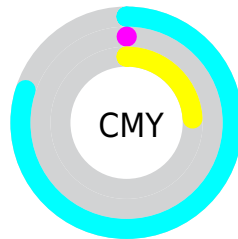
- Red (20%)
- Green (100%)
- Blue (76%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 64.003, 165.364 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, 64.003, 165.364 by changing the saturation by 10% instead.


 90, 64.003,
165.364


 90, 64.003,
165.364

 100, 64.003,
165.364


 80, 64.003,
165.364

 70, 64.003,
165.364

 60, 64.003,
165.364


 50, 64.003,
165.364

 40, 64.003,
165.364

 30, 64.003,
165.364


 20, 64.003,


165.364


 10, 64.003,
165.364


 0, 64.003, 165.364


 90, 64.003,
165.364


 90, 64.003,
165.364

 90, 67.981,
163.439

 90, 58.667,
167.296

 89, 71.198,
161.360

 91, 52.497,
168.927

 92, 45.374,
170.386

 93, 37.419,
171.698

■ 95, 28.787,
172.889

■ 96, 19.647,
173.984

■ 98, 10.160,
175.013

100, 0.468,
177.116

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, 64.003, 165.364



57, 78.614, 12.220

Rectangle

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



90, 64.003, 165.364



90, 64.003, 215.364



90, 64.003, 345.364



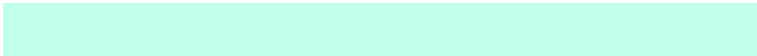
90, 64.003, 35.364

Sweetspot

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



90, 63.821, 165.471



96, 22.906, 173.608



90, 104.983, 131.898



50, 15.649, 173.218



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

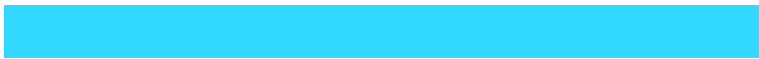
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 63.821, 165.471



89, 70.219, 162.014



81, 41.593, 226.322



52, 5.512, 175.114



69, 56.970, 161.772



23, 25.032, 164.769

Inverse Universe

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



57, 78.614, 12.220



54, 86.961, 20.651



60, 82.771, 41.609



50, 5.667, 356.791



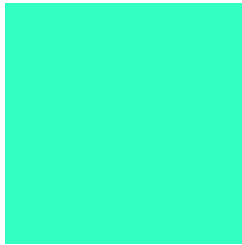
40, 70.672, 21.233



10, 31.459, 12.727

Previews

White Background



This preview shows how the CIE LCh color 90, 64.003, 165.364 looks on a white background.

Color Contrast Check

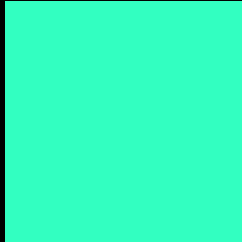
Large Text (above 18pt) WCAG AA × Fail

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, 64.003, 165.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

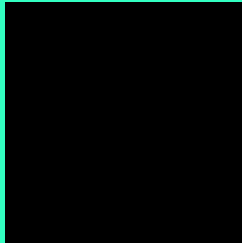
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 64.003, 165.364

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.003, 165.364.

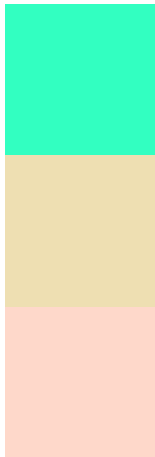


This preview shows how white text looks on a background with the CIELCh color 90, 64.003, 165.364.

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, 63.924, 165.329

Protanopia

89, 24.009, 94.156

Deuteranopia

89, 16.204, 46.743



Tritanopia
90, 29.653, 213.068

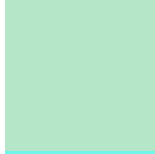
Trichromacy



Original Color
90, 63.924, 165.329



Protanomaly
88, 35.524, 148.976



Deuteranomaly
87, 24.244, 155.949

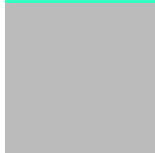


Tritanomaly
89, 40.257, 187.827

Monochromacy



Original Color
90, 63.924, 165.329



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 28.636, 171.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.003, 165.364 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(50, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(50, 255, 193)  
}
```

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(50, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.003, 165.364 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(50, 255, 193) }
```

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

```
.border{ border-color:rgb(50, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.003, 165.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 193) }
```

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

```
.background{ background-color: rgb(50, 255,  
193) }
```

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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