

Converting Colors

CIELCh(90, 63.248, 165.865)

Have a look what the booklet for
CIELCh(90, 63.248, 165.865)
contains.

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Color

CIELCh(90, 63.082, 166.002)

Conversions

Conversions Part 1

Format	Color
Hex	34FFC3
RGB	52, 255, 195
RGB Percent	20%, 100%, 76%
CMY	0.7949, 0.0000, 0.2347
CMYK	0.79, 0.00, 0.23, 0.00
HSL	162°, 100%, 60%
HSV	162°, 79%, 100%
XYZ	47.1071, 76.3034, 63.9607
YIQ	187.4630, -101.7280, -61.6960

Conversions

Conversions Part 2

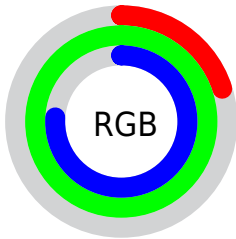
Format	Color
RYB	52, 171, 255
Decimal	3473347
CIELab	90.00, -61.21, 15.26
CIELCh	90, 63.082, 166.002
Yxy	76.3034, 0.2514, 0.4072
Android (android.graphics.Color)	4281663427 (0xFF34FFC3)
YUV	187.4630, 3.7157, -118.8011
Hunter-Lab	87.3518, -56.6041, 17.7329

Details

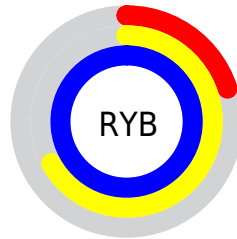
The CIELCh color **90, 63.082, 166.002** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **57, 78.032, 12.220**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.556, 194.711**, and **71, 57.111, 163.027** is the 20% darker color. If you saturate the color by 10%, you get **90, 67.207, 164.046**, and if you desaturate by 10%, it is **91, 57.807, 167.843**.

Distribution



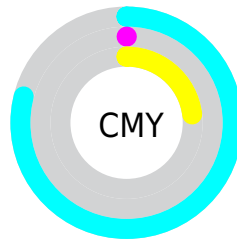
- Red (20%)
- Green (100%)
- Blue (76%)



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



- Cyan (79%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 63.082, 166.002 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, 63.082, 166.002 by changing the saturation by 10% instead.


 90, 63.082,
166.002


 90, 63.082,
166.002


 100, 63.082,
166.002


 80, 63.082,
166.002

 70, 63.082,
166.002

 60, 63.082,
166.002


 50, 63.082,
166.002

 40, 63.082,
166.002


 30, 63.082,
166.002


 20, 63.082,


166.002


 10, 63.082,
166.002


 0, 63.082, 166.002


 90, 63.082,
166.002


 90, 63.082,
166.002


 90, 67.207,
164.046


 91, 57.807,
167.843

 89, 70.575,
161.876

 91, 51.591,
169.448

 89, 70.738,
161.767

 92, 44.429,
170.885

 93, 36.446,
172.179

■ 95, 27.800,
173.356

■ 96, 18.656,
174.441

■ 98, 9.176, 175.467

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, 63.082, 166.002



57, 78.032, 12.220

Rectangle

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



90, 63.082, 166.002



90, 63.082, 216.002



90, 63.082, 346.002



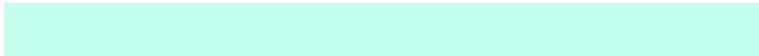
90, 63.082, 36.002

Sweetspot

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



90, 63.007, 166.047



96, 22.829, 173.962



90, 104.649, 132.278



50, 15.594, 173.572



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

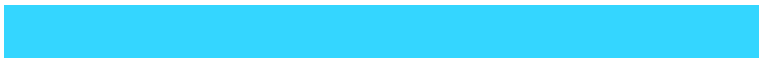
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 63.007, 166.047



89, 69.132, 162.860



80, 41.396, 229.145



52, 5.496, 175.466



69, 56.607, 162.177



23, 24.890, 165.157

Inverse Universe

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



57, 78.032, 12.220



54, 86.312, 19.966



61, 80.931, 42.399



50, 5.653, 357.143



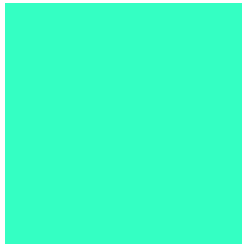
40, 70.848, 21.689



10, 31.480, 13.078

Previews

White Background



This preview shows how the CIE LCh color 90, 63.082, 166.002 looks on a white background.

Color Contrast Check

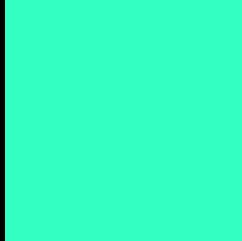
Large Text (above 18pt) WCAG AA × Fail

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, 63.082, 166.002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

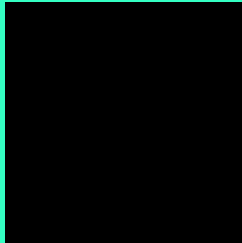
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 63.082, 166.002

Background



This preview shows how black text looks on a background with the CIELCh color 90, 63.082, 166.002.

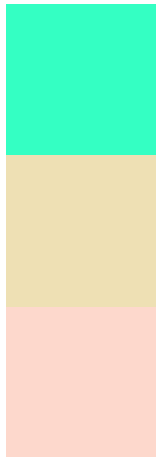


This preview shows how white text looks on a background with the CIELCh color 90, 63.082, 166.002.

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, 63.082, 166.002

Protanopia

89, 23.392, 94.854

Deuteranopia

89, 15.354, 44.053



Tritanopia
90, 29.423, 213.205

Trichromacy



Original Color
90, 63.082, 166.002



Protanomaly
88, 34.719, 150.059



Deuteranomaly
87, 23.512, 157.761

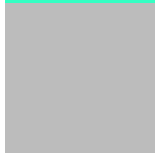


Tritanomaly
89, 39.870, 187.764

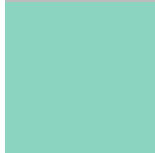
Monochromacy



Original Color
90, 63.082, 166.002



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 27.540, 173.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 63.082, 166.002 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(52, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 255, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 63.082, 166.002 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(52, 255, 195) }
```

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

```
.border{ border-color:rgb(52, 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(52, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(52, 255,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 63.082, 166.002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 255, 195) }
```

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

```
.background{ background-color: rgb(52, 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](#).

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