

Converting Colors

CIELCh(90, 62.146, 166.597)

Have a look what the booklet for
CIELCh(90, 62.146, 166.597)
contains.

CIELCh(90, 62.151, 166.651)	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, 62.151, 166.651)

Conversions

Conversions Part 1

Format	Color
Hex	37FFC5
RGB	55, 255, 197
RGB Percent	22%, 100%, 77%
CMY	0.7848, 0.0003, 0.2277
CMYK	0.78, 0.00, 0.23, 0.00
HSL	163°, 100%, 61%
HSV	163°, 78%, 100%
XYZ	47.3708, 76.3034, 65.0080
YIQ	188.5880, -100.5820, -60.4380

Conversions

Conversions Part 2

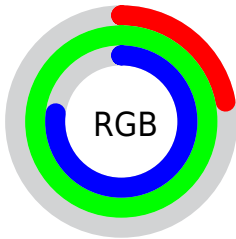
Format	Color
RYB	55, 172, 255
Decimal	3669957
CIELab	90.00, -60.47, 14.35
CIELCh	90, 62.151, 166.651
Yxy	76.3034, 0.2511, 0.4044
Android (android.graphics.Color)	4281860037 (0xFF37FFC5)
YUV	188.5880, 4.1471, -117.1567
Hunter-Lab	87.3518, -56.0652, 17.0221

Details

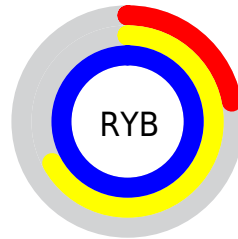
The CIELCh color **90, 62.151, 166.651** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **57, 77.394, 12.239**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.900, 196.379**, and **71, 56.375, 163.876** is the 20% darker color. If you saturate the color by 10%, you get **90, 66.390, 164.682**, and if you desaturate by 10%, it is **91, 56.905, 168.416**.

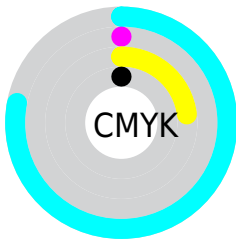
Distribution



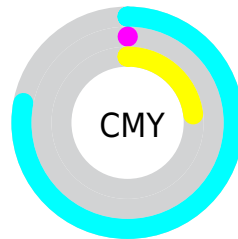
- Red (22%)
- Green (100%)
- Blue (77%)



- Red (22%)
- Yellow (67%)
- Blue (100%)



- Cyan (78%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 62.151, 166.651 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, 62.151, 166.651 by changing the saturation by 10% instead.


 90, 62.151,
166.651


 90, 62.151,
166.651


 100, 62.151,
166.651


 80, 62.151,
166.651

 70, 62.151,
166.651

 60, 62.151,
166.651


 50, 62.151,
166.651

 40, 62.151,
166.651


 30, 62.151,
166.651


 20, 62.151,


166.651


 10, 62.151,
166.651


 0, 62.151, 166.651


 90, 62.151,
166.651


 90, 62.151,
166.651


 90, 66.390,
164.682

 91, 56.905,
168.416

 89, 69.755,
162.530

 91, 50.646,
169.995

 89, 70.235,
162.203

 92, 43.449,
171.409

 94, 35.442,
172.685

■ 95, 26.784,
173.848

■ 97, 17.641,
174.923

■ 98, 8.171, 175.947

100, 0.059,
319.197

Harmonies

Complementary

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



90, 62.151, 166.651



57, 77.394, 12.239

Rectangle

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



90, 62.151, 166.651



90, 62.151, 216.651



90, 62.151, 346.651



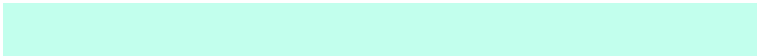
90, 62.151, 36.651

Sweetspot

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



90, 62.151, 166.650



96, 22.748, 174.338



90, 103.776, 132.268



50, 15.537, 173.949



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, 62.151, 166.650



89, 68.351, 163.509



80, 41.179, 228.852



52, 5.479, 175.841



69, 56.224, 162.611



23, 24.740, 165.573

Inverse Universe

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



57, 77.394, 12.239



54, 86.068, 19.881



61, 79.731, 42.300



50, 5.638, 357.518



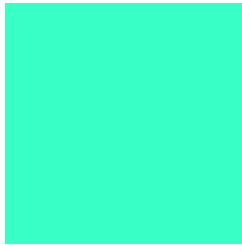
40, 71.039, 22.169



10, 31.503, 13.445

Previews

White Background



This preview shows how the CIELCh color 90, 62.151, 166.651 looks on a white background.

Color Contrast Check

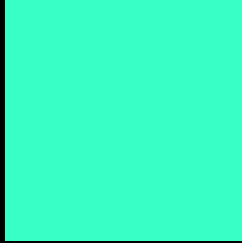
Large Text (above 18pt) WCAG AA × Fail

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, 62.151, 166.651 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, 62.151, 166.651

Background



This preview shows how black text looks on a background with the CIELCh color 90, 62.151, 166.651.

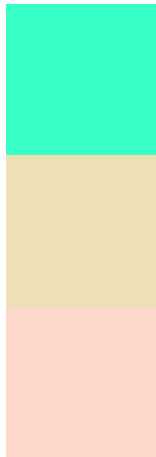


This preview shows how white text looks on a background with the CIELCh color 90, 62.151, 166.651.

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, 62.151, 166.651

Protanopia

89, 22.389, 94.368

Deuteranopia

89, 15.124, 42.322



Tritanopia
90, 29.191, 213.344

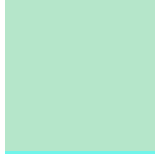
Trichromacy



Original Color
90, 62.151, 166.651



Protanomaly
88, 34.089, 150.238



Deuteranomaly
87, 22.893, 158.206

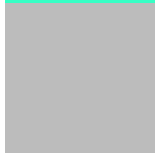


Tritanomaly
89, 39.494, 188.473

Monochromacy



Original Color
90, 62.151, 166.651



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 27.268, 173.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 62.151, 166.651 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(55, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(55, 255, 197)  
}
```

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(55, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 255, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 62.151, 166.651 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(55, 255, 197) }
```

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

```
.border{ border-color:rgb(55, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(55, 255,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 62.151, 166.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 255, 197) }
```

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

```
.background{ background-color: rgb(55, 255,  
197) }
```

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