

Converting Colors

CIELCh(90, 74.305, 153.135)

Have a look what the booklet for
CIELCh(90, 74.305, 153.135)
contains.

CIELCh(90, 73.730, 153.286)	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, 73.730, 153.286)

Conversions

Conversions Part 1

Format	Color
Hex	4CFFA0
RGB	76, 255, 160
RGB Percent	30%, 100%, 63%
CMY	0.7002, 0.0000, 0.3726
CMYK	0.70, 0.00, 0.37, 0.00
HSL	148°, 100%, 65%
HSV	148°, 70%, 100%
XYZ	45.4653, 76.3034, 45.5815
YIQ	190.6490, -76.1890, -67.4930

Conversions

Conversions Part 2

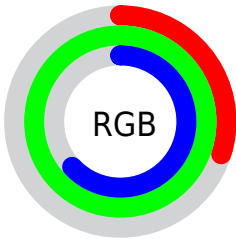
Format	Color
RYB	76, 198, 255
Decimal	5046176
CIELab	90.00, -65.86, 33.14
CIElCh	90, 73.730, 153.286
Yxy	76.3034, 0.2717, 0.4560
Android (android.graphics.Color)	4283236256 (0xFF4CFFA0)
YUV	190.6490, -15.1100, -100.5472
Hunter-Lab	87.3518, -59.9591, 30.2078

Details

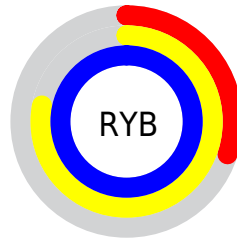
The CIELCh color **90, 73.730, 153.286** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **61, 75.309, 350.654**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 41.686, 167.099**, and **70, 69.806, 151.591** is the 20% darker color. If you saturate the color by 10%, you get **89, 80.797, 151.508**, and if you desaturate by 10%, it is **90, 64.547, 155.171**.

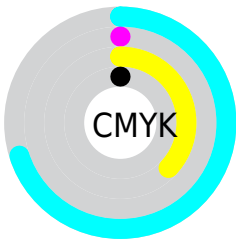
Distribution



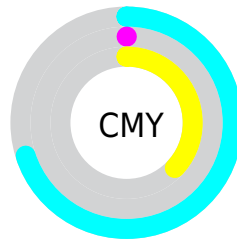
- Red (30%)
- Green (100%)
- Blue (63%)



- Red (30%)
- Yellow (78%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 73.730, 153.286 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, 73.730, 153.286 by changing the saturation by 10% instead.

 90, 73.730,
153.286

 90, 73.730,
153.286

 100, 73.730,
153.286


 80, 73.730,
153.286

 70, 73.730,
153.286

 60, 73.730,
153.286


 50, 73.730,
153.286

 40, 73.730,
153.286


 30, 73.730,
153.286

 20, 73.730,


153.286


 10, 73.730,
153.286

 0, 73.730, 153.286


 90, 73.730,
153.286


 90, 73.730,
153.286

 89, 80.797,
151.508


 90, 64.547,
155.171

 89, 87.338,
149.363

 92, 54.995,
156.688

 88, 92.932,
147.100

 93, 44.705,
158.021

 94, 33.877,
159.194

■ 96, 22.705,
160.234

■ 98, 11.368,
161.174

100, 0.016,
193.127

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, 73.730, 153.286



61, 75.309, 350.654

Rectangle

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



90, 73.730, 153.286



90, 73.730, 203.286



90, 73.730, 333.286



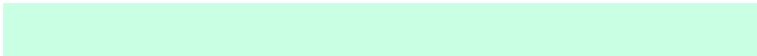
90, 73.730, 23.286

Sweetspot

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



90, 73.188, 153.448



96, 23.811, 160.137



92, 89.510, 125.119



51, 16.099, 159.858



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, 73.188, 153.448



89, 83.527, 150.677



92, 46.261, 192.719



52, 6.450, 161.221



68, 74.178, 147.527



23, 31.946, 150.741

Inverse Universe

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



61, 75.309, 350.654



57, 82.606, 354.183



59, 76.540, 28.535



50, 6.523, 342.694



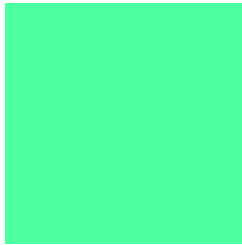
41, 68.700, 359.083



11, 32.209, 353.990

Previews

White Background



This preview shows how the CIE LCh color 90, 73.730, 153.286 looks on a white background.

Color Contrast Check

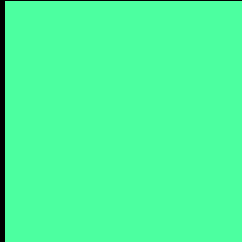
Large Text (above 18pt) WCAG AA × Fail

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, 73.730, 153.286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

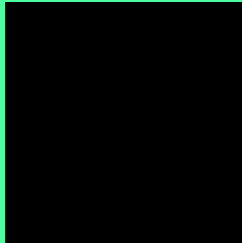
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 73.730, 153.286

Background



This preview shows how black text looks on a background with the CIELCh color 90, 73.730, 153.286.

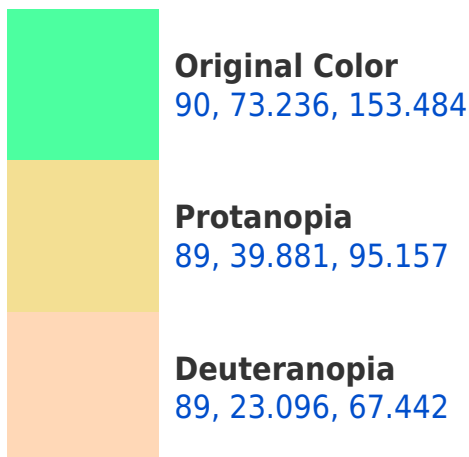


This preview shows how white text looks on a background with the CIELCh color 90, 73.730, 153.286.

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, 29.016, 214.554

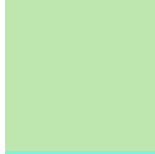
Trichromacy



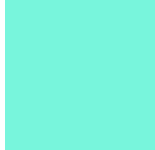
Original Color
90, 73.236, 153.484



Protanomaly
88, 47.077, 132.089



Deuteranomaly
87, 32.245, 135.455

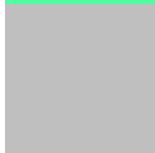


Tritanomaly
89, 40.859, 178.097

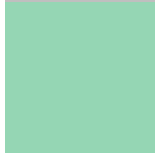
Monochromacy



Original Color
90, 73.236, 153.484



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 29.519, 159.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 73.730, 153.286 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(76, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 160)  
}
```

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(76, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 73.730, 153.286 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(76, 255, 160) }
```

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

```
.border{ border-color:rgb(76, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 73.730, 153.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 160) }
```

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

```
.background{ background-color: rgb(76, 255,  
160) }
```

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