

Converting Colors

CIELCh(89, 73.527, 153.841)

Have a look what the booklet for
CIELCh(89, 73.527, 153.841)
contains.

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Color

CIELCh(89, 73.301, 153.930)

Conversions

Conversions Part 1

Format	Color
Hex	46FD9F
RGB	70, 253, 159
RGB Percent	27%, 99%, 62%
CMY	0.7246, 0.0072, 0.3759
CMYK	0.72, 0.00, 0.37, 0.01
HSL	149°, 98%, 63%
HSV	149°, 72%, 99%
XYZ	43.9841, 74.1641, 44.8603
YIQ	187.5670, -78.8940, -68.0300

Conversions

Conversions Part 2

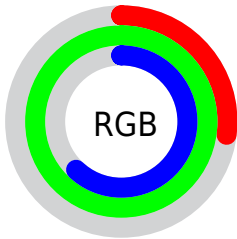
Format	Color
RYB	70, 193, 253
Decimal	4652447
CIELab	89.00, -65.84, 32.21
CIELCh	89, 73.301, 153.930
Yxy	74.1641, 0.2698, 0.4550
Android (android.graphics.Color)	4282842527 (0xFF46FD9F)
YUV	187.5670, -14.0835, -103.1063
Hunter-Lab	86.1186, -59.5407, 29.3981

Details

The CIELCh color **89, 73.301, 153.930** 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 **60, 75.775, 352.422**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 42.904, 167.147**, and **70, 69.215, 151.636** is the 20% darker color. If you saturate the color by 10%, you get **88, 80.461, 151.938**, and if you desaturate by 10%, it is **90, 65.112, 155.704**.

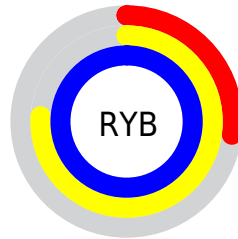
Distribution



Red (27%)

Green (99%)

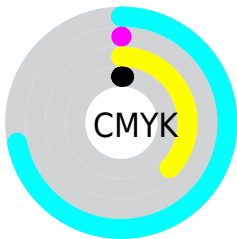
Blue (62%)



Red (27%)

Yellow (76%)

Blue (99%)

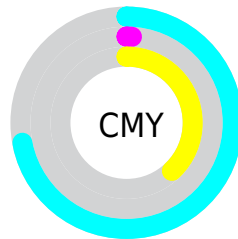


Cyan (72%)

Magenta (0%)

Yellow (37%)

Black (1%)



Cyan (72%)


Magenta (1%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 73.301, 153.930 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 89, 73.301, 153.930 by changing the saturation by 10% instead.


 89, 73.301,
153.930


 89, 73.301,
153.930


 100, 73.301,
153.930


 79, 73.301,
153.930

 69, 73.301,
153.930

 59, 73.301,
153.930

 49, 73.301,
153.930

 39, 73.301,
153.930


 29, 73.301,
153.930


 19, 73.301,


153.930


 9, 73.301, 153.930

 0, 73.301, 153.930


 89, 73.301,
153.930


 89, 73.301,
153.930


 88, 80.461,
151.938


 90, 65.112,
155.704

 88, 86.585,
149.744

 91, 55.989,
157.270


 88, 90.732,
147.976

 92, 46.091,
158.647


 93, 35.610,
159.860

 95, 24.737,

160.936

 97, 13.653,
161.905

 99, 2.509, 162.917

 100, 1.154,
324.214

Harmonies

Complementary

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



89, 73.301, 153.930



60, 75.775, 352.422

Rectangle

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



89, 73.301, 153.930



89, 73.301, 203.930



89, 73.301, 333.930



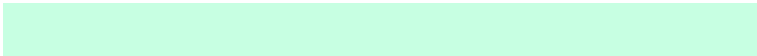
89, 73.301, 23.930

Sweetspot

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



89, 73.302, 153.930



96, 24.591, 160.962



91, 91.560, 125.738



51, 16.502, 160.683



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 73.302, 153.930



89, 83.968, 150.914



91, 46.239, 194.597



52, 6.365, 162.160



68, 72.841, 148.396



23, 31.393, 151.622

Inverse Universe

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



60, 75.775, 352.422



57, 82.993, 356.599



58, 79.331, 30.420



50, 6.443, 343.657



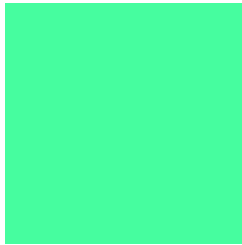
41, 68.415, 0.793



10, 32.007, 355.411

Previews

White Background



This preview shows how the CIE LCh color 89, 73.301, 153.930 looks on a white background.

Color Contrast Check

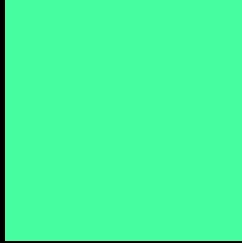
Large Text (above 18pt) WCAG AA × Fail

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 89, 73.301, 153.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

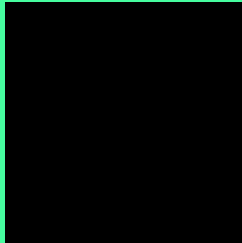
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 73.301, 153.930

Background



This preview shows how black text looks on a background with the CIELCh color 89, 73.301, 153.930.

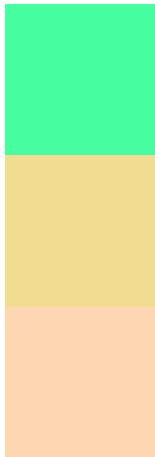


This preview shows how white text looks on a background with the CIELCh color 89, 73.301, 153.930.

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
89, 73.301, 153.930

Protanopia
88, 39.362, 95.607

Deuteranopia
88, 24.915, 68.201



Tritanopia
89, 31.090, 214.320

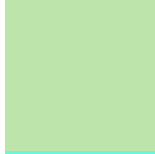
Trichromacy



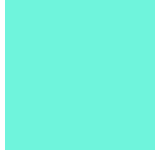
Original Color
89, 73.301, 153.930



Protanomaly
87, 47.032, 133.107



Deuteranomaly
87, 33.217, 134.618

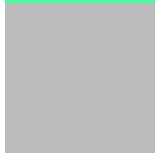


Tritanomaly
89, 42.240, 179.346

Monochromacy



Original Color
89, 73.301, 153.930



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 30.076, 160.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 73.301, 153.930 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(70, 253, 159)` looks like.

```
.text, #text, p{  
    color:rgb(70, 253, 159)  
}
```

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(70, 253, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 253, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 73.301, 153.930 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(70, 253, 159) }
```

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

```
.border{ border-color:rgb(70, 253, 159) }
```

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

Here you see how a box with a 4 pixel rgb(70, 253, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 253, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 253, 159);  
box-shadow:4px 4px 4px 4px rgb(70, 253,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 73.301, 153.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 253, 159) }
```

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

```
.background{ background-color: rgb(70, 253,  
159) }
```

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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