

Converting Colors

CIELCh(89, 69.863, 160.468)

Have a look what the booklet for
CIELCh(89, 69.863, 160.468)
contains.

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Color

CIELCh(89, 69.906, 160.509)

Conversions

Conversions Part 1

Format	Color
Hex	25FEB1
RGB	37, 254, 177
RGB Percent	15%, 100%, 69%
CMY	0.8550, 0.0056, 0.3074
CMYK	0.85, 0.00, 0.30, 0.01
HSL	159°, 99%, 57%
HSV	159°, 85%, 99%
XYZ	43.9647, 74.1641, 53.3882
YIQ	180.3390, -104.6150, -69.9510

Conversions

Conversions Part 2

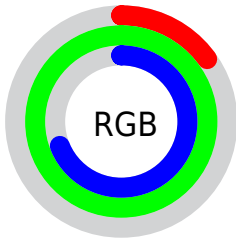
Format	Color
R_{YB}	37, 169, 254
Decimal	2490033
CIE _{Lab}	89.00, -65.90, 23.32
CIE _{LCh}	89, 69.906, 160.509
Yxy	74.1641, 0.2563, 0.4324
Android (android.graphics.Color)	4280680113 (0xFF25FEB1)
YUV	180.3390, -1.6461, -125.7083
Hunter-Lab	86.1186, -59.5808, 23.5269

Details

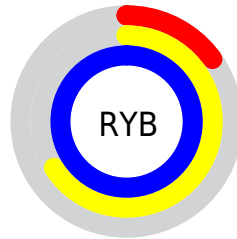
The CIELCh color **89, 69.906, 160.509** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **56, 80.471, 9.653**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 41.414, 180.788**, and **70, 63.073, 156.808** is the 20% darker color. If you saturate the color by 10%, you get **89, 74.201, 158.296**, and if you desaturate by 10%, it is **89, 64.675, 162.516**.

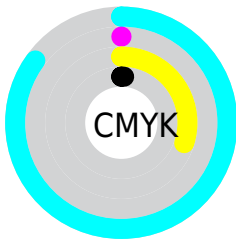
Distribution



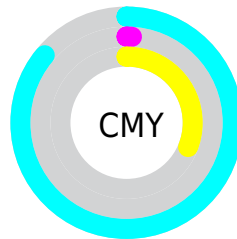
- Red (15%)
- Green (100%)
- Blue (69%)



- Red (15%)
- Yellow (66%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (30%)
- Black (1%)





- Cyan (86%)
- Magenta (1%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 69.906, 160.509 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, 69.906, 160.509 by changing the saturation by 10% instead.


 89, 69.906,
160.509


 89, 69.906,
160.509


 100, 69.906,
160.509


 79, 69.906,
160.509

 69, 69.906,
160.509

 59, 69.906,
160.509

 49, 69.906,
160.509

 39, 69.906,
160.509

 29, 69.906,
160.509


 19, 69.906,

160.509


 9, 69.906, 160.509


 0, 69.906, 160.509


 89, 69.906,
160.509


 89, 69.906,
160.509


 89, 74.201,
158.296

 89, 64.675,
162.516

 89, 75.961,
157.255

 90, 58.440,
164.311

 91, 51.234,
165.909

 92, 43.164,
167.333

 93, 34.379,

168.609

■ 95, 25.049,
169.764

■ 97, 15.344,
170.824

■ 98, 5.418, 171.851

100, 0.892,
324.126

Harmonies

Complementary

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



89, 69.906, 160.509



56, 80.471, 9.653

Rectangle

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



89, 69.906, 160.509



89, 69.906, 210.509



89, 69.906, 340.509



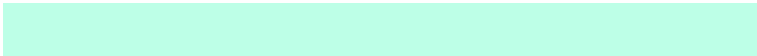
89, 69.906, 30.509

Sweetspot

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



89, 69.906, 160.509



95, 25.719, 169.699



89, 106.629, 130.832



50, 17.352, 169.309



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, 69.906, 160.509



89, 76.294, 157.248



82, 42.740, 218.170



52, 5.703, 171.424



69, 60.992, 157.676



23, 26.617, 160.810

Inverse Universe

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



56, 80.471, 9.653



54, 86.131, 17.178



57, 89.899, 40.050



50, 5.834, 353.082



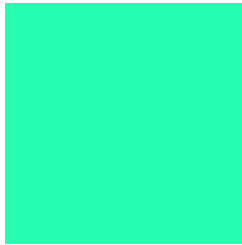
40, 69.107, 16.115



10, 31.301, 8.564

Previews

White Background



This preview shows how the CIE LCh color 89, 69.906, 160.509 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, 69.906, 160.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

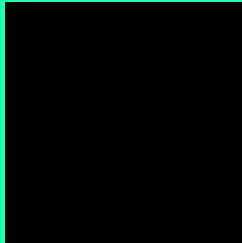
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 69.906, 160.509

Background



This preview shows how black text looks on a background with the CIELCh color 89, 69.906, 160.509.

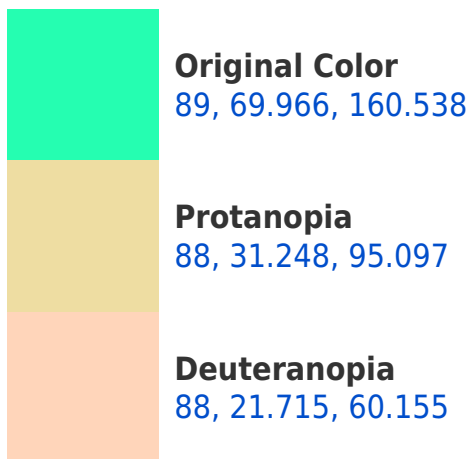


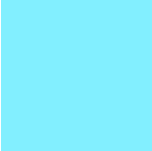
This preview shows how white text looks on a background with the CIELCh color 89, 69.906, 160.509.

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, 32.335, 212.598

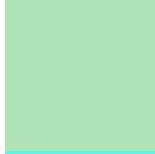
Trichromacy



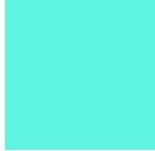
Original Color
89, 69.966, 160.538



Protanomaly
87, 42.476, 143.178



Deuteranomaly
86, 30.321, 146.766

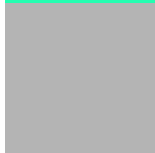


Tritanomaly
88, 43.615, 184.074

Monochromacy



Original Color
89, 69.966, 160.538



Achromatopsia
73, 0.009, 296.813



Achromatomaly
78, 31.260, 168.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 69.906, 160.509 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(37, 254, 177)` looks like.

```
.text, #text, p{  
    color:rgb(37, 254, 177)  
}
```

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(37, 254, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 254, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 69.906, 160.509 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(37, 254, 177) }
```

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

```
.border{ border-color:rgb(37, 254, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 254, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 254, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 254, 177);  
box-shadow:4px 4px 4px 4px rgb(37, 254,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 69.906, 160.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 254, 177) }
```

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

```
.background{ background-color: rgb(37, 254,  
177) }
```

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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