

Converting Colors

CIELCh(89, 66.285, 160.175)

Have a look what the booklet for
CIELCh(89, 66.285, 160.175)
contains.

CIELCh(89, 66.233, 160.085)	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(89, 66.233, 160.085)

Conversions

Conversions Part 1

Format	Color
Hex	42FCB2
RGB	66, 252, 178
RGB Percent	26%, 99%, 70%
CMY	0.7398, 0.0108, 0.3011
CMYK	0.74, 0.00, 0.29, 0.01
HSL	156°, 97%, 62%
HSV	156°, 74%, 99%
XYZ	45.2138, 74.1641, 54.1680
YIQ	187.9500, -87.1020, -62.4460

Conversions

Conversions Part 2

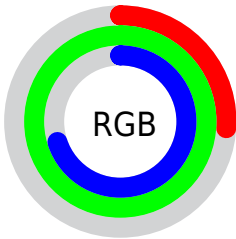
Format	Color
RYB	66, 182, 252
Decimal	4390066
CIELab	89.00, -62.27, 22.56
CIELCh	89, 66.233, 160.085
Yxy	74.1641, 0.2605, 0.4273
Android (android.graphics.Color)	4282580146 (0xFF42FCB2)
YUV	187.9500, -4.9053, -106.9501
Hunter-Lab	86.1186, -56.9919, 22.9900

Details

The CIELCh color **89, 66.233, 160.085** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **59, 73.817, 1.556**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.128, 180.408**, and **70, 61.696, 157.628** is the 20% darker color. If you saturate the color by 10%, you get **88, 72.071, 158.079**, and if you desaturate by 10%, it is **90, 59.398, 161.874**.

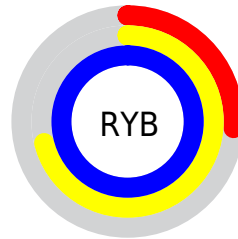
Distribution



Red (26%)

Green (99%)

Blue (70%)



Red (26%)

Yellow (71%)

Blue (99%)

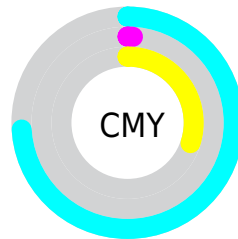


Cyan (74%)

Magenta (0%)

Yellow (29%)

Black (1%)



Cyan (74%)


Magenta (1%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 66.233, 160.085 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, 66.233, 160.085 by changing the saturation by 10% instead.


 89, 66.233,
160.085


 89, 66.233,
160.085


 100, 66.233,
160.085


 79, 66.233,
160.085

 69, 66.233,
160.085

 59, 66.233,
160.085

 49, 66.233,
160.085

 39, 66.233,
160.085


 29, 66.233,
160.085


 19, 66.233,


160.085


 9, 66.233, 160.085


 0, 66.233, 160.085


 89, 66.233,
160.085


 89, 66.233,
160.085


 88, 72.071,
158.079


 90, 59.398,
161.874

 88, 76.949,
155.864

 91, 51.619,
163.463

 88, 79.658,
154.410

 92, 43.022,
164.873

 93, 33.768,
166.133

 95, 24.032,

167.267

■ 96, 13.985,
168.304

■ 98, 3.778, 169.339

■ 99, 1.721, 324.322

Harmonies

Complementary

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



89, 66.233, 160.085



59, 73.817, 1.556

Rectangle

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



89, 66.233, 160.085



89, 66.233, 210.085



89, 66.233, 340.085



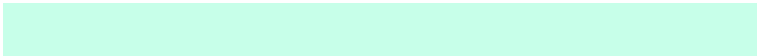
89, 66.233, 30.085

Sweetspot

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



89, 66.234, 160.085



96, 22.546, 167.447



90, 95.833, 129.560



51, 15.111, 167.155



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, 66.234, 160.085



89, 74.923, 157.138



85, 41.555, 210.667



51, 5.770, 168.722



68, 63.524, 154.852



22, 27.068, 158.212

Inverse Universe

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



59, 73.817, 1.556



56, 81.746, 7.025



60, 77.502, 36.229



49, 5.883, 350.345



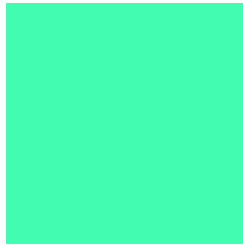
40, 67.662, 11.931



10, 30.482, 4.562

Previews

White Background



This preview shows how the CIE LCh color 89, 66.233, 160.085 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, 66.233, 160.085 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, 66.233, 160.085

Background



This preview shows how black text looks on a background with the CIELCh color 89, 66.233, 160.085.

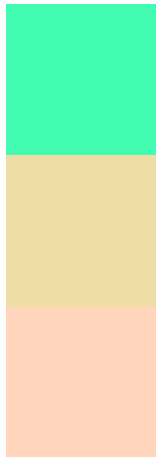


This preview shows how white text looks on a background with the CIELCh color 89, 66.233, 160.085.

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, 66.233, 160.085

Protanopia

88, 30.249, 94.799

Deuteranopia

88, 21.354, 59.184



Tritanopia
89, 31.521, 214.060

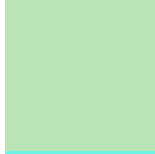
Trichromacy



Original Color
89, 66.233, 160.085



Protanomaly
87, 38.783, 139.813



Deuteranomaly
86, 27.123, 142.067

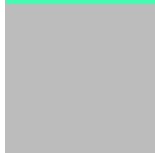


Tritanomaly
88, 40.620, 184.836

Monochromacy



Original Color
89, 66.233, 160.085



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 27.722, 166.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 66.233, 160.085 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(66, 252, 178)` looks like.

```
.text, #text, p{  
    color:rgb(66, 252, 178)  
}
```

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(66, 252, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 252, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 66.233, 160.085 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(66, 252, 178) }
```

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

```
.border{ border-color:rgb(66, 252, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 252, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 252, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 252, 178);  
box-shadow:4px 4px 4px 4px rgb(66, 252,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 66.233, 160.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 252, 178) }
```

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

```
.background{ background-color: rgb(66, 252,  
178) }
```

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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