

Converting Colors

CIELCh(88, 102.226, 140.671)

Have a look what the booklet for
CIELCh(88, 102.226, 140.671)
contains.

CIELCh(88, 102.217, 140.678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(88, 102.217, 140.678)

Conversions

Conversions Part 1

Format	Color
Hex	31FE55
RGB	49, 254, 85
RGB Percent	19%, 100%, 33%
CMY	0.8092, 0.0046, 0.6673
CMYK	0.81, 0.00, 0.67, 0.00
HSL	131°, 99%, 59%
HSV	131°, 81%, 100%
XYZ	38.2664, 72.0653, 20.4510
YIQ	173.4390, -67.9310, -96.0190

Conversions

Conversions Part 2

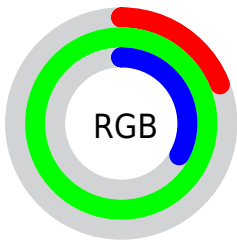
Format	Color
RYB	49, 223, 254
Decimal	3276373
CIELab	88.00, -79.07, 64.77
CIElCh	88, 102.217, 140.678
Yxy	72.0653, 0.2926, 0.5510
Android (android.graphics.Color)	4281466453 (0xFF31FE55)
YUV	173.4390, -43.6004, -109.1330
Hunter-Lab	84.8913, -68.0974, 45.1404

Details

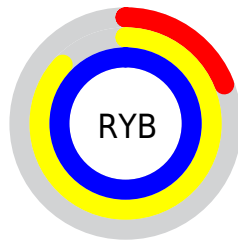
The CIELCh color **88, 102.217, 140.678** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **60, 96.163, 335.236**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 72.229, 142.565**, and **69, 96.464, 136.774** is the 20% darker color. If you saturate the color by 10%, you get **88, 109.487, 139.094**, and if you desaturate by 10%, it is **89, 93.026, 142.266**.

Distribution



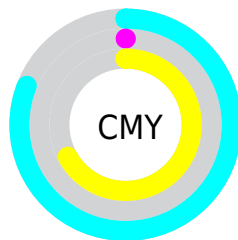
- Red (19%)
- Green (100%)
- Blue (33%)



- Red (19%)
- Yellow (87%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 102.217, 140.678 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 88, 102.217, 140.678 by changing the saturation by 10% instead.


 88, 102.217,
140.678


 88, 102.217,
140.678


 100, 102.217,
140.678


 78, 102.217,
140.678


 68, 102.217,
140.678

 58, 102.217,
140.678


 48, 102.217,
140.678


 38, 102.217,
140.678


 28, 102.217,
140.678


 18, 102.217,


140.678

 8, 102.217,
140.678


 0, 102.217,
140.678

 88, 102.217,
140.678


 88, 102.217,
140.678


 88, 109.487,
139.094

 89, 93.026,
142.266

 87, 114.336,
137.795

 89, 82.208,
143.764

 90, 70.097,
145.121

 92, 57.033,
146.317

■ 93, 43.342,
147.357

■ 95, 29.313,
148.254

■ 97, 15.187,
149.031

■ 99, 1.151, 149.979

■ 100, 0.740,
324.050

Harmonies

Complementary

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



88, 102.217, 140.678



60, 96.163, 335.236

Rectangle

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



88, 102.217, 140.678



88, 102.217, 190.678



88, 102.217, 320.678



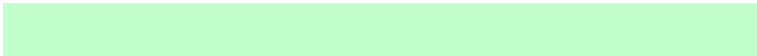
88, 102.217, 10.678

Sweetspot

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



88, 102.217, 140.678



95, 33.903, 147.983



94, 91.404, 112.165



50, 23.284, 147.664



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 102.217, 140.678



88, 113.327, 138.177



89, 66.088, 162.982



52, 7.993, 149.128



68, 91.849, 138.052



23, 40.000, 140.380

Inverse Universe

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



60, 96.163, 335.236



58, 100.354, 336.665



57, 78.263, 9.556



50, 8.016, 330.274



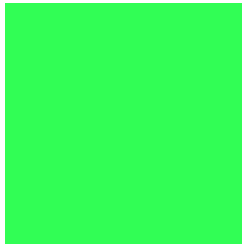
44, 81.108, 336.775



12, 37.923, 335.568

Previews

White Background



This preview shows how the CIE LCh color 88, 102.217, 140.678 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 88, 102.217, 140.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

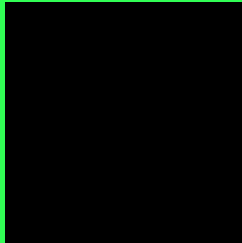
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 102.217, 140.678

Background



This preview shows how black text looks on a background with the CIELCh color 88, 102.217, 140.678.

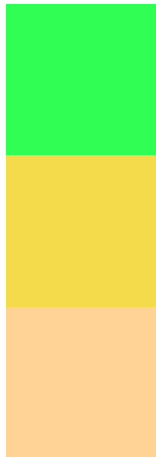


This preview shows how white text looks on a background with the CIELCh color 88, 102.217, 140.678.

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

88, 102.217, 140.678

Protanopia

87, 70.811, 95.483

Deuteranopia

87, 36.758, 78.133



Tritanopia
88, 34.207, 213.523

Trichromacy



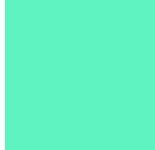
Original Color
88, 102.217, 140.678



Protanomaly
86, 77.463, 122.027



Deuteranomaly
85, 54.583, 125.727

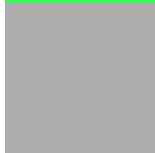


Tritanomaly
87, 52.914, 166.427

Monochromacy



Original Color
88, 102.217, 140.678



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 42.690, 146.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 102.217, 140.678 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(49, 254, 85)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 85)  
}
```

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(49, 254, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 102.217, 140.678 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(49, 254, 85) }
```

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

```
.border{ border-color:rgb(49, 254, 85) }
```

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

Here you see how a box with a 4 pixel rgb(49, 254, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 85);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 102.217, 140.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 85) }
```

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

```
.background{ background-color: rgb(49, 254,  
85) }
```

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