

Converting Colors

CIELCh(88, 101.659, 140.908)

Have a look what the booklet for
CIELCh(88, 101.659, 140.908)
contains.

CIELCh(88, 101.589, 140.941)	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, 101.589, 140.941)

Conversions

Conversions Part 1

Format	Color
Hex	31FE57
RGB	49, 254, 87
RGB Percent	19%, 100%, 34%
CMY	0.8096, 0.0048, 0.6597
CMYK	0.81, 0.00, 0.66, 0.00
HSL	131°, 99%, 59%
HSV	131°, 81%, 100%
XYZ	38.3258, 72.0653, 20.8605
YIQ	173.6670, -68.5730, -95.3970

Conversions

Conversions Part 2

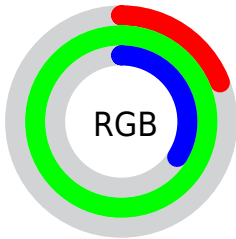
Format	Color
RYB	49, 222, 254
Decimal	3276375
CIELab	88.00, -78.88, 64.01
CIELCh	88, 101.589, 140.941
Yxy	72.0653, 0.2920, 0.5491
Android (android.graphics.Color)	4281466455 (0xFF31FE57)
YUV	173.6670, -42.7268, -109.3330
Hunter-Lab	84.8913, -67.9724, 44.8544

Details

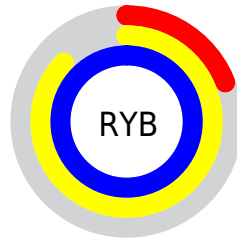
The CIELCh color **88, 101.589, 140.941** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **60, 95.507, 335.722**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 71.439, 143.017**, and **69, 95.901, 137.016** is the 20% darker color. If you saturate the color by 10%, you get **88, 108.895, 139.320**, and if you desaturate by 10%, it is **89, 92.416, 142.553**.

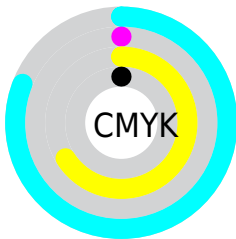
Distribution



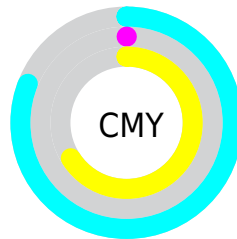
- Red (19%)
- Green (100%)
- Blue (34%)



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



- Cyan (81%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 101.589, 140.941 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, 101.589, 140.941 by changing the saturation by 10% instead.


 88, 101.589,
140.941


 88, 101.589,
140.941


 100, 101.589,
140.941


 78, 101.589,
140.941

 68, 101.589,
140.941

 58, 101.589,
140.941

 48, 101.589,
140.941

 38, 101.589,
140.941

 28, 101.589,
140.941

 18, 101.589,

140.941

■ 8, 101.589,
140.941

■ 0, 101.589,
140.941

■ 88, 101.589,
140.941

■ 88, 101.589,
140.941

■ 88, 108.895,
139.320

■ 89, 92.416,
142.553

■ 87, 113.821,
137.978

■ 89, 81.654,
144.066

■ 90, 69.625,
145.432

■ 92, 56.657,
146.635

93, 43.070,
147.680

95, 29.147,
148.581

97, 15.125,
149.364

99, 1.192, 150.308

100, 0.769,
324.066

Harmonies

Complementary

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



88, 101.589, 140.941



60, 95.507, 335.722

Rectangle

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



88, 101.589, 140.941



88, 101.589, 190.941



88, 101.589, 320.941



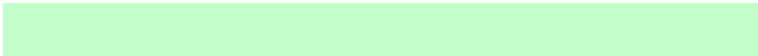
88, 101.589, 10.941

Sweetspot

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



88, 101.589, 140.941



95, 33.658, 148.313



94, 91.666, 113.009



50, 23.115, 147.992



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, 101.589, 140.941



88, 112.788, 138.377



89, 64.905, 164.179



52, 7.936, 149.463



68, 91.428, 138.244



23, 39.771, 140.625

Inverse Universe

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



60, 95.507, 335.722



58, 99.604, 337.244



56, 78.387, 10.990



50, 7.959, 330.617



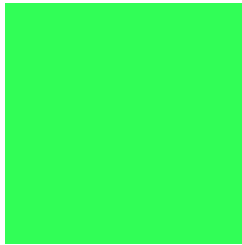
44, 80.499, 337.362



11, 37.668, 336.061

Previews

White Background



This preview shows how the CIELCh color 88, 101.589, 140.941 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, 101.589, 140.941 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, 101.589, 140.941

Background



This preview shows how black text looks on a background with the CIELCh color 88, 101.589, 140.941.

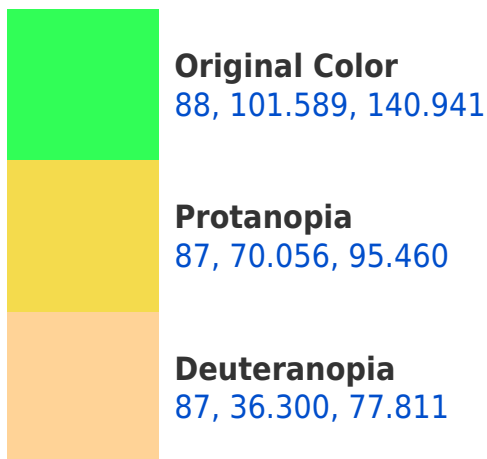


This preview shows how white text looks on a background with the CIELCh color 88, 101.589, 140.941.

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
88, 34.207, 213.523

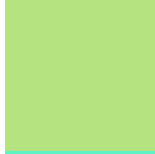
Trichromacy



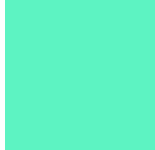
Original Color
88, 101.589, 140.941



Protanomaly
86, 76.741, 122.240



Deuteranomaly
85, 53.681, 126.110



Tritanomaly
87, 52.584, 166.887

Monochromacy



Original Color
88, 101.589, 140.941



Achromatopsia
71, 0.009, 296.813



Achromatomaly
75, 42.269, 147.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 101.589, 140.941 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 101.589, 140.941 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, 87) }
```

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

```
.border{ border-color:rgb(49, 254, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 87);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 101.589, 140.941 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, 87) }
```

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

```
.background{ background-color: rgb(49, 254,  
87) }
```

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