

Converting Colors

CIELCh(85, 103.851, 140.229)

Have a look what the booklet for
CIELCh(85, 103.851, 140.229)
contains.

CIELCh(85, 103.676, 140.273)	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(85, 103.676, 140.273)

Conversions

Conversions Part 1

Format	Color
Hex	16F548
RGB	22, 245, 72
RGB Percent	9%, 96%, 28%
CMY	0.9123, 0.0388, 0.7172
CMYK	0.91, 0.00, 0.71, 0.04
HSL	133°, 92%, 52%
HSV	133°, 91%, 96%
XYZ	34.1934, 66.0070, 17.0859
YIQ	158.6010, -77.3750, -101.0790

Conversions

Conversions Part 2

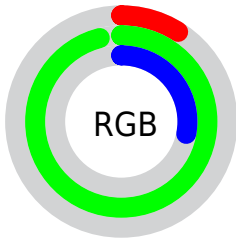
Format	Color
R_{YB}	22, 204, 245
Decimal	1504584
CIE _{Lab}	85.00, -79.74, 66.26
CIE _{LCh}	85, 103.676, 140.273
Yxy	66.0070, 0.2915, 0.5628
Android (android.graphics.Color)	4279694664 (0xFF16F548)
YUV	158.6010, -42.6943, -119.7991
Hunter-Lab	81.2447, -67.0531, 44.4025

Details

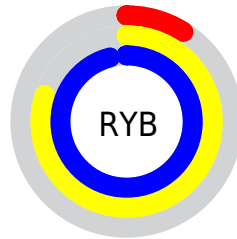
The CIELCh color **85, 103.676, 140.273** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **56, 93.614, 338.694**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 78.920, 141.805**, and **66, 94.874, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 108.789, 138.771**, and if you desaturate by 10%, it is **85, 96.441, 142.017**.

Distribution



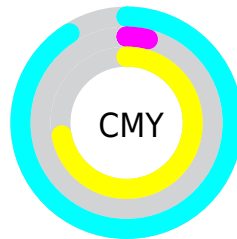
- Red (9%)
- Green (96%)
- Blue (28%)



- Red (9%)
- Yellow (80%)
- Blue (96%)



- Cyan (91%)
- Magenta (0%)
- Yellow (71%)
- Black (4%)





- Cyan (91%)
- Magenta (4%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 103.676, 140.273 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 85, 103.676, 140.273 by changing the saturation by 10% instead.


 85, 103.676,
140.273


 85, 103.676,
140.273


 100, 103.676,
140.273


 75, 103.676,
140.273


 65, 103.676,
140.273

 55, 103.676,
140.273

 45, 103.676,
140.273

 35, 103.676,
140.273

 25, 103.676,
140.273

 15, 103.676,

140.273

■ 5, 103.676,
140.273

■ 0, 103.676,
140.273

■ 85, 103.676,
140.273

■ 85, 103.676,
140.273

■ 85, 108.789,
138.771

■ 85, 96.441,
142.017

■ 86, 87.576,
143.704

■ 87, 77.301,
145.262

■ 88, 65.880,
146.654

■ 89, 53.603,
147.875

■ 91, 40.752,
148.935

■ 92, 27.585,
149.850

■ 94, 14.322,
150.648

■ 96, 1.136, 151.625

Harmonies

Complementary

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



85, 103.676, 140.273



56, 93.614, 338.694

Rectangle

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



85, 103.676, 140.273



85, 103.676, 190.273



85, 103.676, 320.273



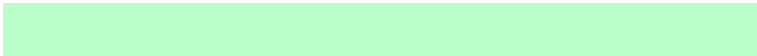
85, 103.676, 10.273

Sweetspot

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



85, 103.676, 140.274



94, 36.838, 149.300



90, 94.608, 115.091



50, 24.800, 148.974



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 103.676, 140.274



88, 112.199, 138.734



86, 64.718, 164.749



50, 7.471, 150.752



66, 87.862, 139.073



21, 36.522, 141.980

Inverse Universe

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



56, 93.614, 338.694



57, 96.974, 339.893



53, 82.205, 18.645



48, 7.498, 331.933



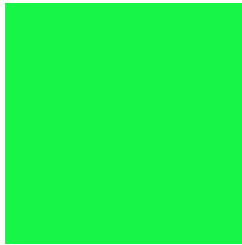
42, 76.789, 339.617



10, 34.891, 337.786

Previews

White Background



This preview shows how the CIE LCh color 85, 103.676, 140.273 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 85, 103.676, 140.273 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 85, 103.676, 140.273

Background



This preview shows how black text looks on a background with the CIELCh color 85, 103.676, 140.273.



This preview shows how white text looks on a background with the CIELCh color 85, 103.676, 140.273.

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

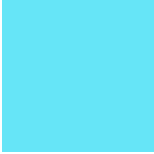
85, 103.676, 140.273

Protanopia

84, 72.078, 95.615

Deuteranopia

84, 51.622, 79.547



Tritanopia
85, 35.697, 212.810

Trichromacy



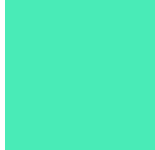
Original Color
85, 103.676, 140.273



Protanomaly
82, 79.591, 123.135



Deuteranomaly
81, 62.803, 122.656



Tritanomaly
84, 55.265, 166.117

Monochromacy



Original Color
85, 103.676, 140.273



Achromatopsia
65, 0.008, 296.813



Achromatomaly
71, 45.449, 147.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 103.676, 140.273 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(22, 245, 72)` looks like.

```
.text, #text, p{  
    color:rgb(22, 245, 72)  
}
```

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(22, 245, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 245, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 103.676, 140.273 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(22, 245, 72) }
```

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

```
.border{ border-color:rgb(22, 245, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 245, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 245, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 245, 72);  
box-shadow:4px 4px 4px 4px rgb(22, 245,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 103.676, 140.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 245, 72) }
```

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

```
.background{ background-color: rgb(22, 245,  
72) }
```

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