

Converting Colors

CIELCh(81, 96.779, 141.884)

Have a look what the booklet for
CIELCh(81, 96.779, 141.884)
contains.

CIELCh(81, 96.693, 141.888)	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(81, 96.693, 141.888)

Conversions

Conversions Part 1

Format	Color
Hex	09E84E
RGB	9, 232, 78
RGB Percent	4%, 91%, 31%
CMY	0.9662, 0.0891, 0.6931
CMYK	0.96, 0.00, 0.66, 0.09
HSL	139°, 93%, 47%
HSV	139°, 96%, 91%
XYZ	30.4230, 58.4711, 16.9376
YIQ	147.7670, -83.4740, -95.1700

Conversions

Conversions Part 2

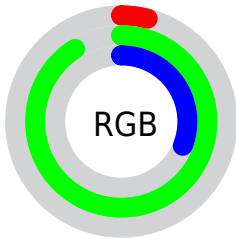
Format	Color
RYB	9, 179, 232
Decimal	649294
CIELab	81.00, -76.08, 59.68
CIELCh	81, 96.693, 141.888
Yxy	58.4711, 0.2875, 0.5525
Android (android.graphics.Color)	4278839374 (0xFF09E84E)
YUV	147.7670, -34.3951, -121.6987
Hunter-Lab	76.4664, -62.7981, 40.3935




Details

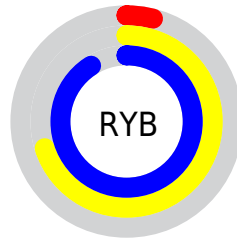
The CIELCh color **81, 96.693, 141.888** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **52, 85.102, 345.299**, and the grayscale version is **61, 0.008, 296.813**.




A 20% lighter version of the original color is **90, 78.499, 143.532**, and **62, 89.132, 136.558** is the 20% darker color. If you saturate the color by 10%, you get **81, 98.729, 141.184**, and if you desaturate by 10%, it is **81, 90.493, 143.883**.

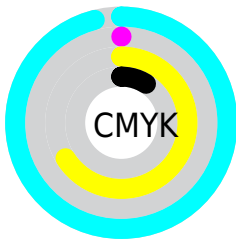
Distribution







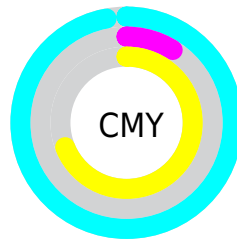
-  Red (4%)
-  Green (91%)
-  Blue (31%)






-  Red (4%)
-  Yellow (70%)
-  Blue (91%)



-  Cyan (96%)
-  Magenta (0%)
-  Yellow (66%)
-  Black (9%)



-  Cyan (97%)
-  Magenta (9%)
-  Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 96.693, 141.888 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 81, 96.693, 141.888 by changing the saturation by 10% instead.


 81, 96.693,
141.888

 81, 96.693,
141.888


 100, 96.693,
141.888


 71, 96.693,
141.888


 61, 96.693,
141.888

 51, 96.693,
141.888

 41, 96.693,
141.888

 31, 96.693,
141.888

 21, 96.693,
141.888

 11, 96.693,

141.888

■ 1, 96.693, 141.888

■ 0, 96.693, 141.888

■ 81, 96.693,
141.888

■ 81, 96.693,
141.888

■ 81, 98.729,
141.184

■ 81, 90.493,
143.883

■ 82, 83.015,
145.784

■ 82, 74.330,
147.523

■ 83, 64.588,
149.074

■ 84, 53.989,

150.435

■ 86, 42.758,
151.620

■ 87, 31.121,
152.651

■ 89, 19.280,
153.550

■ 91, 7.409, 154.360

Harmonies

Complementary

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



81, 96.693, 141.888



52, 85.102, 345.299

Rectangle

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



81, 96.693, 141.888



81, 96.693, 191.888



81, 96.693, 321.888



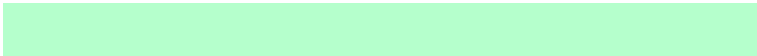
81, 96.693, 11.888

Sweetspot

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



81, 96.693, 141.888



94, 37.002, 152.370



85, 94.382, 119.704



49, 25.339, 151.929



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 96.693, 141.888



88, 106.219, 141.075



83, 57.382, 171.235



48, 6.762, 154.106



64, 81.284, 141.528



19, 32.076, 145.176

Inverse Universe

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



52, 85.102, 345.299



56, 91.307, 346.197



49, 85.099, 28.397



46, 6.799, 335.372



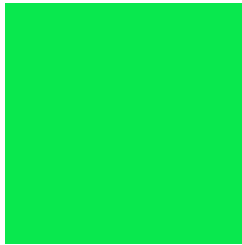
40, 70.892, 345.696



8, 31.271, 342.414

Previews

White Background



This preview shows how the CIE LCh color 81, 96.693, 141.888 looks on a white background.

Color Contrast Check

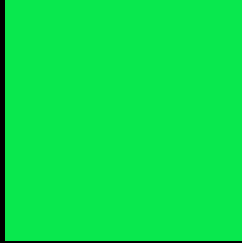
Large Text (above 18pt) WCAG AA × Fail

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 81, 96.693, 141.888 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 81, 96.693, 141.888

Background



This preview shows how black text looks on a background with the CIELCh color 81, 96.693, 141.888.

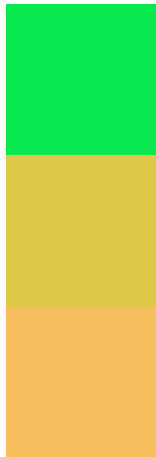


This preview shows how white text looks on a background with the CIELCh color 81, 96.693, 141.888.

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

81, 96.650, 141.861

Protanopia

80, 65.674, 95.453

Deuteranopia

80, 56.937, 79.967



Tritanopia
81, 34.697, 213.428

Trichromacy



Original Color
81, 96.650, 141.861



Protanomaly
78, 73.976, 125.564



Deuteranomaly
77, 62.432, 122.038



Tritanomaly
80, 52.368, 168.614

Monochromacy



Original Color
81, 96.650, 141.861



Achromatopsia
61, 0.008, 296.813



Achromatomaly
67, 43.109, 150.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 96.693, 141.888 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(9, 232, 78)` looks like.

```
.text, #text, p{  
    color:rgb(9, 232, 78)  
}
```

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(9, 232, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 232, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 96.693, 141.888 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(9, 232, 78) }
```

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

```
.border{ border-color:rgb(9, 232, 78) }
```

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

Here you see how a box with a 4 pixel rgb(9, 232, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 232, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 232, 78);  
box-shadow:4px 4px 4px 4px rgb(9, 232, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 81, 96.693, 141.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 232, 78) }
```

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

```
.background{ background-color: rgb(9, 232,  
78) }
```

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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