

Converting Colors

CIELCh(81, 110.803, 135.538)

Have a look what the booklet for
CIELCh(81, 110.803, 135.538)
contains.

CIELCh(81, 110.840, 135.556)	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(81, 110.840, 135.556)

Conversions

Conversions Part 1

Format	Color
Hex	1DE903
RGB	29, 233, 3
RGB Percent	11%, 91%, 1%
CMY	0.8877, 0.0867, 0.9896
CMYK	0.88, 0.00, 0.99, 0.09
HSL	113°, 98%, 46%
HSV	113°, 99%, 91%
XYZ	29.6153, 58.4711, 9.8001
YIQ	145.7840, -47.7540, -114.7780

Conversions

Conversions Part 2

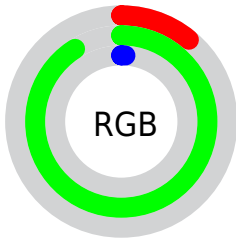
Format	Color
RYB	3, 233, 207
Decimal	1960195
CIELab	81.00, -79.13, 77.61
CIELCh	81, 110.840, 135.556
Yxy	58.4711, 0.3025, 0.5973
Android (android.graphics.Color)	4280150275 (0xFF1DE903)
YUV	145.7840, -70.3925, -102.4196
Hunter-Lab	76.4664, -64.6835, 45.9278

Details

The CIELCh color **81, 110.840, 135.556** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **51, 108.547, 323.842**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 93.607, 135.059**, and **62, 90.315, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 111.129, 135.555**, and if you desaturate by 10%, it is **81, 107.440, 135.514**.

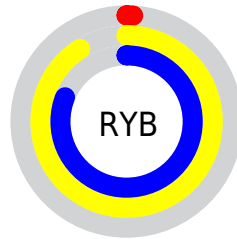
Distribution



Red (11%)

Green (91%)

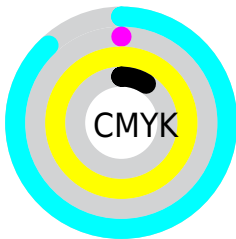
Blue (1%)



Red (1%)

Yellow (91%)

Blue (81%)

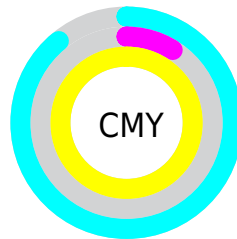


Cyan (88%)

Magenta (0%)

Yellow (99%)

Black (9%)



Cyan (89%)


Magenta (9%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 110.840, 135.556 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, 110.840, 135.556 by changing the saturation by 10% instead.


 81, 110.840,
135.556


 81, 110.840,
135.556


 100, 110.840,
135.556


 71, 110.840,
135.556


 61, 110.840,
135.556

 51, 110.840,
135.556

 41, 110.840,
135.556

 31, 110.840,
135.556

 21, 110.840,
135.556

 11, 110.840,

135.556

■ 1, 110.840,
135.556

■ 0, 110.840,
135.556

■ 81, 110.840,
135.556

■ 81, 110.840,
135.556

■ 81, 111.129,
135.555

■ 81, 107.440,
135.514

■ 82, 101.227,
135.812

■ 82, 92.336,
136.422

■ 83, 81.341,
137.212

■ 84, 68.849,
138.060

■ 85, 55.374,
138.885

■ 87, 41.320,
139.645

■ 89, 26.994,
140.323

■ 90, 12.627,
140.920

Harmonies

Complementary

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



81, 110.840, 135.556



51, 108.547, 323.842

Rectangle

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



81, 110.840, 135.556



81, 110.840, 185.556



81, 110.840, 315.556



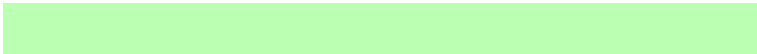
81, 110.840, 5.556

Sweetspot

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



81, 110.839, 135.557



94, 46.208, 139.552



83, 83.185, 94.694



49, 31.475, 139.236



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, 110.839, 135.557



88, 119.068, 135.583



81, 92.909, 143.890



48, 8.142, 140.886



64, 91.917, 135.459



19, 37.269, 136.419

Inverse Universe

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



51, 108.547, 323.842



56, 116.520, 323.788



51, 81.970, 351.631



46, 8.172, 321.787



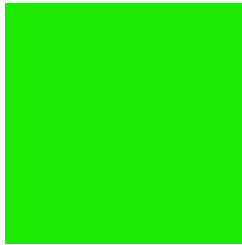
39, 90.079, 323.878



8, 38.511, 324.498

Previews

White Background



This preview shows how the CIELCh color 81, 110.840, 135.556 looks on a white background.

Color Contrast Check

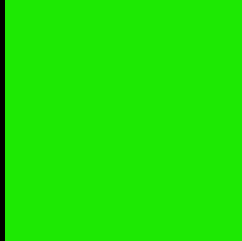
Large Text (above 18pt) WCAG AA × Fail

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, 110.840, 135.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

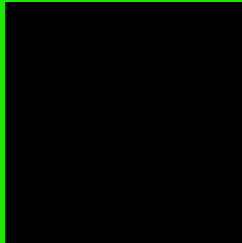
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

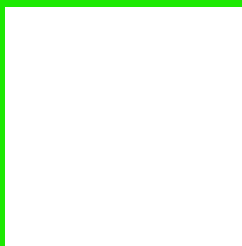
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 110.840, 135.556

Background



This preview shows how black text looks on a background with the CIELCh color 81, 110.840, 135.556.



This preview shows how white text looks on a background with the CIELCh color 81, 110.840, 135.556.

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, 110.840, 135.556

Protanopia

80, 81.518, 95.044

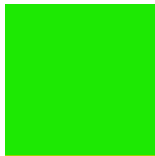
Deuteranopia

80, 73.494, 82.074



Tritanopia
81, 33.264, 214.239

Trichromacy



Original Color

81, 110.840, 135.556



Protanomaly

78, 88.199, 118.724



Deuteranomaly

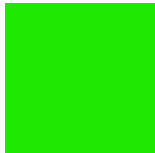
77, 79.351, 114.063



Tritanomaly

80, 60.284, 156.343

Monochromacy



Original Color

81, 110.840, 135.556



Achromatopsia

61, 0.008, 296.813



Achromatomaly

66, 53.717, 138.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 110.840, 135.556 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(29, 233, 3)` looks like.

```
.text, #text, p{  
    color:rgb(29, 233, 3)  
}
```

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(29, 233, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 233, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 110.840, 135.556 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(29, 233, 3) }
```

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

```
.border{ border-color:rgb(29, 233, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 233, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 233, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 233, 3);  
box-shadow:4px 4px 4px 4px rgb(29, 233, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 81, 110.840, 135.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 233, 3) }
```

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

```
.background{ background-color: rgb(29, 233,  
3) }
```

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