

Converting Colors

CIELCh(81, 106.721, 136.733)

Have a look what the booklet for
CIELCh(81, 106.721, 136.733)
contains.

CIELCh(81, 106.816, 136.746)	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, 106.816, 136.746)

Conversions

Conversions Part 1

Format	Color
Hex	22E923
RGB	34, 233, 35
RGB Percent	13%, 91%, 14%
CMY	0.8675, 0.0881, 0.8614
CMYK	0.85, 0.00, 0.85, 0.09
HSL	120°, 82%, 52%
HSV	120°, 85%, 91%
XYZ	29.9668, 58.4711, 11.3217
YIQ	150.9270, -55.0460, -103.7660

Conversions

Conversions Part 2

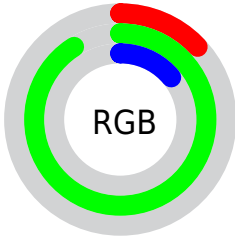
Format	Color
RYB	34, 232, 233
Decimal	2287907
CIELab	81.00, -77.80, 73.19
CIELCh	81, 106.816, 136.746
Yxy	58.4711, 0.3004, 0.5861
Android (android.graphics.Color)	4280477987 (0xFF22E923)
YUV	150.9270, -57.1520, -102.5450
Hunter-Lab	76.4664, -63.8629, 44.7479

Details

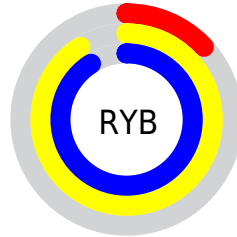
The CIELCh color **81, 106.816, 136.746** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56, 103.375, 328.386**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.360, 136.567**, and **62, 90.315, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **81, 110.611, 136.198**, and if you desaturate by 10%, it is **81, 100.034, 137.635**.

Distribution



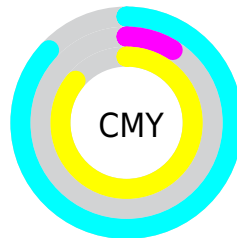
- Red (13%)
- Green (91%)
- Blue (14%)



- Red (13%)
- Yellow (91%)
- Blue (91%)



- Cyan (85%)
- Magenta (0%)
- Yellow (85%)
- Black (9%)





- Cyan (87%)
- Magenta (9%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 106.816, 136.746 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, 106.816, 136.746 by changing the saturation by 10% instead.


 81, 106.816,
136.746


 81, 106.816,
136.746


 100, 106.816,
136.746


 71, 106.816,
136.746


 61, 106.816,
136.746

 51, 106.816,
136.746

 41, 106.816,
136.746

 31, 106.816,
136.746

 21, 106.816,
136.746

 11, 106.816,

136.746

■ 1, 106.816,
136.746

■ 0, 106.816,
136.746

■ 81, 106.816,
136.746

■ 81, 106.816,
136.746

■ 81, 110.611,
136.198

■ 81, 100.034,
137.635

■ 81, 111.579,
136.063

■ 82, 90.607,
138.732

■ 83, 79.107,
139.893

■ 84, 66.113,
141.010

■ 85, 52.130,
142.027

■ 87, 37.576,
142.921

■ 89, 22.781,
143.693

■ 91, 7.996, 144.369

■ 93, 6.595, 324.841

Harmonies

Complementary

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



81, 106.816, 136.746



56, 103.375, 328.386

Rectangle

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



81, 106.816, 136.746



81, 106.816, 186.746



81, 106.816, 316.746



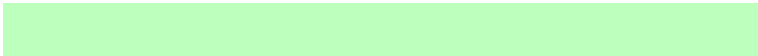
81, 106.816, 6.746

Sweetspot

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



81, 106.816, 136.747



94, 41.343, 142.865



90, 86.460, 103.151



50, 28.003, 142.565



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, 106.816, 136.747



88, 119.656, 136.058



82, 76.108, 152.039



48, 8.401, 144.105



64, 92.475, 136.080



18, 38.089, 138.407

Inverse Universe

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



56, 103.375, 328.386



60, 114.860, 328.546



52, 76.519, 357.088



46, 8.414, 325.148



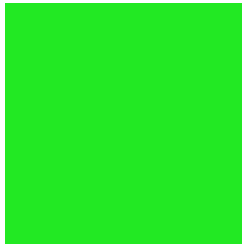
43, 88.828, 328.540



9, 38.072, 328.494

Previews

White Background



This preview shows how the CIELCh color 81, 106.816, 136.746 looks on a white background.

Color Contrast Check

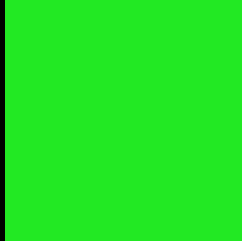
Large Text (above 18pt) WCAG AA × Fail

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, 106.816, 136.746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

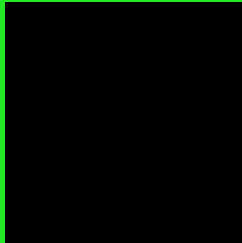
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 106.816, 136.746

Background



This preview shows how black text looks on a background with the CIELCh color 81, 106.816, 136.746.

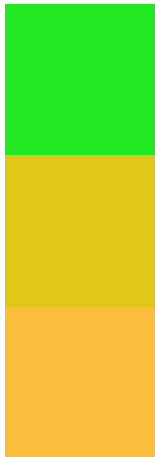


This preview shows how white text looks on a background with the CIELCh color 81, 106.816, 136.746.

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, 107.046, 136.714

Protanopia

80, 78.295, 95.340

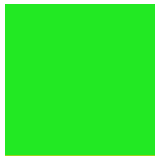
Deuteranopia

80, 70.224, 81.413



Tritanopia
81, 33.264, 214.239

Trichromacy



Original Color

81, 107.046, 136.714



Protanomaly

79, 84.715, 119.344



Deuteranomaly

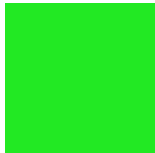
78, 74.537, 114.792



Tritanomaly

80, 55.520, 160.735

Monochromacy



Original Color

81, 107.046, 136.714



Achromatopsia

62, 0.008, 296.813



Achromatomaly

68, 47.996, 141.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 106.816, 136.746 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(34, 233, 35)` looks like.

```
.text, #text, p{  
    color:rgb(34, 233, 35)  
}
```

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(34, 233, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 233, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 106.816, 136.746 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(34, 233, 35) }
```

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

```
.border{ border-color:rgb(34, 233, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 233, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 233, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 233, 35);  
box-shadow:4px 4px 4px 4px rgb(34, 233,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 106.816, 136.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 233, 35) }
```

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

```
.background{ background-color: rgb(34, 233,  
35) }
```

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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