

Converting Colors

CIELCh(83, 106.422, 136.520)

Have a look what the booklet for
CIELCh(83, 106.422, 136.520)
contains.

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Color

CIELCh(83, 106.422, 136.520)

Conversions

Conversions Part 1

Format	Color
Hex	33EE2B
RGB	51, 238, 43
RGB Percent	20%, 93%, 17%
CMY	0.7985, 0.0658, 0.8303
CMYK	0.78, 0.00, 0.82, 0.07
HSL	118°, 85%, 55%
HSV	118°, 82%, 93%
XYZ	32.4624, 62.1629, 12.5996
YIQ	159.8570, -48.8570, -100.2890

Conversions

Conversions Part 2

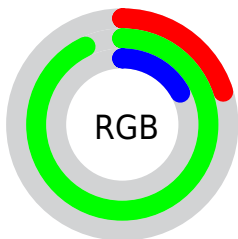
Format	Color
R_{YB}	43, 238, 230
Decimal	3403307
CIE _{Lab}	83.00, -77.22, 73.23
CIE _{LCh}	83, 106.422, 136.520
Yxy	62.1629, 0.3028, 0.5797
Android (android.graphics.Color)	4281593387 (0xFF33EE2B)
YUV	159.8570, -57.6105, -95.4676
Hunter-Lab	78.8435, -64.4820, 45.7156

Details

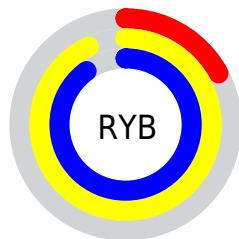
The CIELCh color **83, 106.422, 136.520** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **57, 104.078, 326.614**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 85.800, 136.191**, and **64, 92.221, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **83, 111.481, 136.060**, and if you desaturate by 10%, it is **84, 98.387, 137.305**.

Distribution



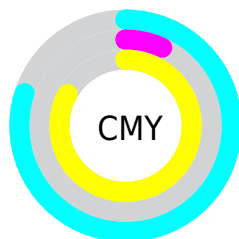
- Red (20%)
- Green (93%)
- Blue (17%)



- Red (17%)
- Yellow (93%)
- Blue (90%)



- Cyan (78%)
- Magenta (0%)
- Yellow (82%)
- Black (7%)





- Cyan (80%)
- Magenta (7%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 106.422, 136.520 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 83, 106.422, 136.520 by changing the saturation by 10% instead.


 83, 106.422,
136.520


 83, 106.422,
136.520


 100, 106.422,
136.520


 73, 106.422,
136.520


 63, 106.422,
136.520

 53, 106.422,
136.520

 43, 106.422,
136.520

 33, 106.422,
136.520

 23, 106.422,
136.520

 13, 106.422,

136.520

■ 3, 106.422,
136.520

■ 0, 106.422,
136.520

■ 83, 106.422,
136.520

■ 83, 106.422,
136.520

■ 83, 111.481,
136.060

■ 84, 98.387,
137.305

■ 83, 113.565,
135.891

■ 84, 87.873,
138.278

■ 85, 75.507,
139.304

■ 86, 61.867,
140.291

■ 88, 47.431,
141.189

■ 90, 32.575,
141.980

■ 92, 17.591,
142.668

■ 94, 2.694, 143.337

■ 96, 10.467,
324.776

Harmonies

Complementary

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



83, 106.422, 136.520



57, 104.078, 326.614

Rectangle

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



83, 106.422, 136.520



83, 106.422, 186.520



83, 106.422, 316.520



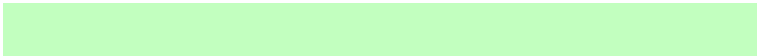
83, 106.422, 6.520

Sweetspot

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



83, 106.422, 136.521



95, 39.428, 141.734



89, 83.237, 100.447



50, 26.886, 141.455



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 106.422, 136.521



88, 119.168, 135.947



84, 79.060, 150.356



49, 8.479, 142.817



65, 93.364, 135.842



19, 39.321, 137.148

Inverse Universe

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



57, 104.078, 326.614



59, 115.460, 326.584



54, 78.157, 352.124



47, 8.498, 323.804



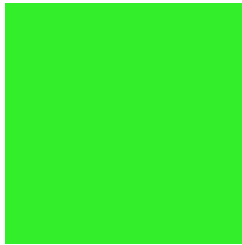
42, 90.485, 326.599



10, 39.487, 326.824

Previews

White Background



This preview shows how the CIELCh color 83, 106.422, 136.520 looks on a white background.

Color Contrast Check

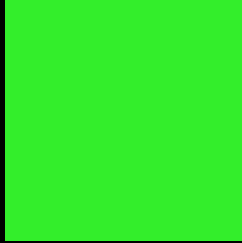
Large Text (above 18pt) WCAG AA × Fail

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 83, 106.422, 136.520 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 83, 106.422, 136.520

Background



This preview shows how black text looks on a background with the CIELCh color 83, 106.422, 136.520.

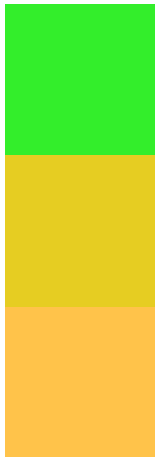


This preview shows how white text looks on a background with the CIELCh color 83, 106.422, 136.520.

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

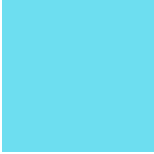
83, 106.422, 136.520

Protanopia

82, 78.367, 95.189

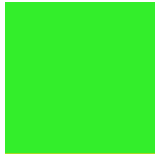
Deuteranopia

82, 67.014, 81.362



Tritanopia
83, 33.005, 214.333

Trichromacy



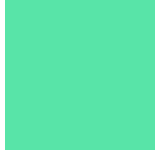
Original Color
83, 106.422, 136.520



Protanomaly
81, 84.043, 118.144

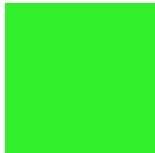


Deuteranomaly
80, 72.423, 113.985



Tritanomaly
82, 54.741, 160.503

Monochromacy



Original Color
83, 106.422, 136.520



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 45.630, 140.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 106.422, 136.520 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(51, 238, 43)` looks like.

```
.text, #text, p{  
    color:rgb(51, 238, 43)  
}
```

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(51, 238, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 238, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 106.422, 136.520 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(51, 238, 43) }
```

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

```
.border{ border-color:rgb(51, 238, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 238, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 238, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 238, 43);  
box-shadow:4px 4px 4px 4px rgb(51, 238,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 106.422, 136.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 238, 43) }
```

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

```
.background{ background-color: rgb(51, 238,  
43) }
```

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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