

Converting Colors

CIELCh(82, 106.096, 133.644)

Have a look what the booklet for
CIELCh(82, 106.096, 133.644)
contains.

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Color

CIELCh(82, 106.233, 133.654)

Conversions

Conversions Part 1

Format	Color
Hex	4AEA15
RGB	74, 234, 21
RGB Percent	29%, 92%, 8%
CMY	0.7103, 0.0827, 0.9183
CMYK	0.68, 0.00, 0.91, 0.08
HSL	105°, 84%, 50%
HSV	105°, 91%, 92%
XYZ	32.3450, 60.2982, 10.6341
YIQ	161.8780, -26.9870, -100.1630

Conversions

Conversions Part 2

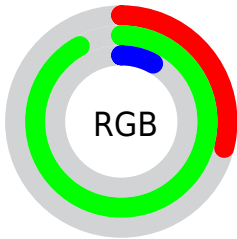
Format	Color
R _Y B	21, 234, 181
Decimal	4909589
CIE Lab	82.00, -73.33, 76.86
CIE LCh	82, 106.233, 133.654
Yxy	60.2982, 0.3132, 0.5838
Android (android.graphics.Color)	4283099669 (0xFF4AEA15)
YUV	161.8780, -69.4529, -77.0690
Hunter-Lab	77.6519, -61.5388, 46.2368

Details

The CIELCh color **82, 106.233, 133.654** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **47, 108.522, 319.406**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 87.856, 132.256**, and **63, 91.079, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 109.469, 134.162**, and if you desaturate by 10%, it is **83, 100.252, 133.404**.

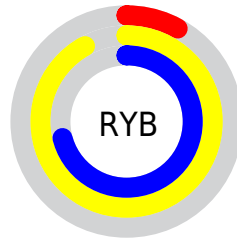
Distribution



Red (29%)

Green (92%)

Blue (8%)



Red (8%)

Yellow (92%)

Blue (71%)

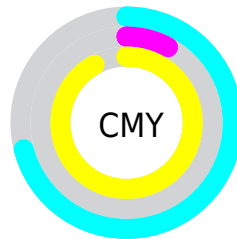


Cyan (68%)

Magenta (0%)

Yellow (91%)

Black (8%)



Cyan (71%)


Magenta (8%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 106.233, 133.654 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 82, 106.233, 133.654 by changing the saturation by 10% instead.


 82, 106.233,
133.654


 82, 106.233,
133.654


 100, 106.233,
133.654


 72, 106.233,
133.654


 62, 106.233,
133.654

 52, 106.233,
133.654

 42, 106.233,
133.654

 32, 106.233,
133.654

 22, 106.233,
133.654

 12, 106.233,

133.654

■ 2, 106.233,
133.654

■ 0, 106.233,
133.654

■ 82, 106.233,
133.654

■ 82, 106.233,
133.654

■ 82, 109.469,
134.162

■ 83, 100.252,
133.404

■ 83, 91.713,
133.548

■ 84, 81.152,
133.965

■ 85, 69.163,
134.528

■ 86, 56.247,
135.144

■ 87, 42.781,
135.752

■ 89, 29.042,
136.321

■ 91, 15.230,
136.841

■ 92, 1.488, 137.428

Harmonies

Complementary

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



82, 106.233, 133.654



47, 108.522, 319.406

Rectangle

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



82, 106.233, 133.654



82, 106.233, 183.654



82, 106.233, 313.654



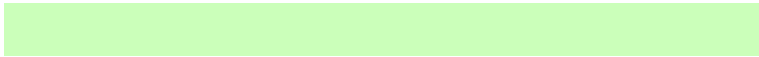
82, 106.233, 3.654

Sweetspot

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



82, 106.233, 133.655



95, 39.868, 135.984



76, 76.540, 84.796



50, 26.848, 135.784



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 106.233, 133.655



88, 116.931, 134.213



82, 98.367, 141.013



48, 7.809, 136.922



65, 90.152, 133.982



19, 36.181, 134.068

Inverse Universe

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



47, 108.522, 319.406



50, 118.774, 318.861



53, 88.716, 340.290



46, 7.862, 317.716



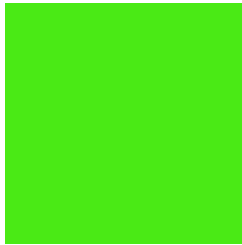
35, 91.762, 319.038



6, 38.593, 320.049

Previews

White Background



This preview shows how the CIELCh color 82, 106.233, 133.654 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 82, 106.233, 133.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

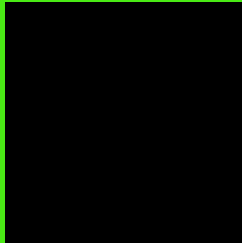
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 106.233, 133.654

Background



This preview shows how black text looks on a background with the CIELCh color 82, 106.233, 133.654.



This preview shows how white text looks on a background with the CIELCh color 82, 106.233,

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

82, 106.233, 133.654

Protanopia

81, 82.408, 95.150

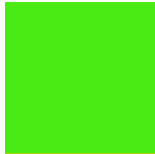
Deuteranopia

81, 73.744, 81.922



Tritanopia
82, 29.929, 216.370

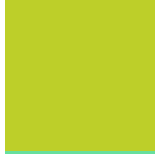
Trichromacy



Original Color
82, 106.233, 133.654



Protanomaly
80, 86.390, 114.751

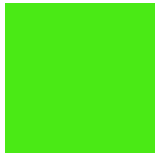


Deuteranomaly
79, 76.930, 109.161



Tritanomaly
81, 53.524, 155.338

Monochromacy



Original Color
82, 106.233, 133.654



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 46.994, 135.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 106.233, 133.654 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(74, 234, 21)` looks like.

```
.text, #text, p{  
    color:rgb(74, 234, 21)  
}
```

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(74, 234, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 234, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 106.233, 133.654 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(74, 234, 21) }
```

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

```
.border{ border-color:rgb(74, 234, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 234, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 234, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 234, 21);  
box-shadow:4px 4px 4px 4px rgb(74, 234,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 106.233, 133.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 234, 21) }
```

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

```
.background{ background-color: rgb(74, 234,  
21) }
```

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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