

Converting Colors

CIELCh(82, 107.281, 133.968)

Have a look what the booklet for
CIELCh(82, 107.281, 133.968)
contains.

CIELCh(82, 107.187, 134.003)	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(82, 107.187, 134.003)

Conversions

Conversions Part 1

Format	Color
Hex	44EA13
RGB	68, 234, 19
RGB Percent	27%, 92%, 7%
CMY	0.7317, 0.0812, 0.9267
CMYK	0.71, 0.00, 0.92, 0.08
HSL	106°, 85%, 50%
HSV	106°, 92%, 92%
XYZ	32.0320, 60.2982, 10.5518
YIQ	159.8560, -29.9210, -102.0570

Conversions

Conversions Part 2

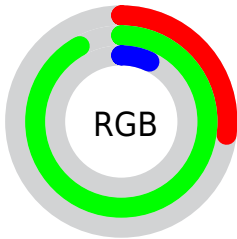
Format	Color
R_{YB}	19, 234, 185
Decimal	4516371
CIE _{Lab}	82.00, -74.46, 77.10
CIE _{LCh}	82, 107.187, 134.003
Yxy	60.2982, 0.3113, 0.5861
Android (android.graphics.Color)	4282706451 (0xFF44EA13)
YUV	159.8560, -69.4420, -80.5577
Hunter-Lab	77.6519, -62.2582, 46.2996

Details

The CIELCh color **82, 107.187, 134.003** 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 **48, 108.760, 319.961**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 88.993, 132.948**, and **63, 91.079, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **82, 109.961, 134.416**, and if you desaturate by 10%, it is **82, 101.490, 133.769**.

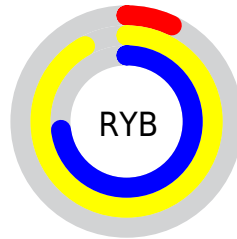
Distribution



Red (27%)

Green (92%)

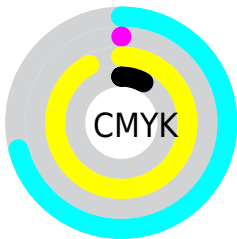
Blue (7%)



Red (7%)

Yellow (92%)

Blue (73%)

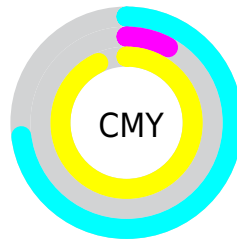


Cyan (71%)

Magenta (0%)

Yellow (92%)

Black (8%)



Cyan (73%)


Magenta (8%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 107.187, 134.003 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, 107.187, 134.003 by changing the saturation by 10% instead.


 82, 107.187,
134.003


 82, 107.187,
134.003


 100, 107.187,
134.003


 72, 107.187,
134.003

 62, 107.187,
134.003

 52, 107.187,
134.003

 42, 107.187,
134.003

 32, 107.187,
134.003

 22, 107.187,
134.003

 12, 107.187,

134.003

■ 2, 107.187,
134.003

■ 0, 107.187,
134.003

■ 82, 107.187,
134.003

■ 82, 107.187,
134.003

■ 82, 109.961,
134.416

■ 82, 101.490,
133.769

■ 83, 93.166,
133.929

■ 84, 82.733,
134.367

■ 85, 70.795,
134.955

■ 86, 57.869,
135.594

■ 87, 44.351,
136.224

■ 89, 30.531,
136.813

■ 91, 16.620,
137.347

■ 92, 2.773, 137.881

Harmonies

Complementary

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



82, 107.187, 134.003



48, 108.760, 319.961

Rectangle

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



82, 107.187, 134.003



82, 107.187, 184.003



82, 107.187, 314.003



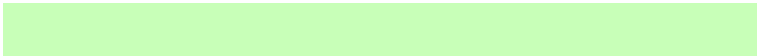
82, 107.187, 4.003

Sweetspot

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



82, 107.186, 134.004



95, 41.573, 136.459



77, 77.418, 86.056



50, 28.672, 136.197



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, 107.186, 134.004



88, 117.309, 134.463



82, 97.958, 141.326



48, 7.851, 137.476



65, 90.456, 134.245



19, 36.336, 134.423

Inverse Universe

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



48, 108.760, 319.961



51, 118.409, 319.489



53, 87.947, 341.471



46, 7.902, 318.280



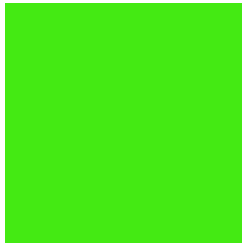
36, 91.489, 319.655



7, 38.613, 320.653

Previews

White Background



This preview shows how the CIELCh color 82, 107.187, 134.003 looks on a white background.

Color Contrast Check

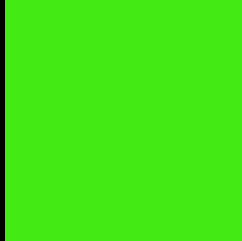
Large Text (above 18pt) WCAG AA × Fail

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, 107.187, 134.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

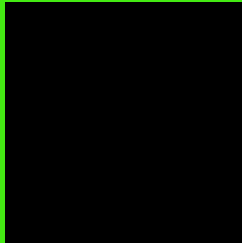
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 107.187, 134.003

Background



This preview shows how black text looks on a background with the CIELCh color 82, 107.187, 134.003.



This preview shows how white text looks on a background with the CIELCh color 82, 107.187, 134.003.

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, 107.081, 134.041

Protanopia

81, 82.408, 95.150

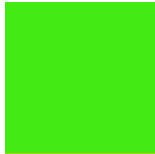
Deuteranopia

81, 73.744, 81.922



Tritanopia
82, 30.710, 214.752

Trichromacy



Original Color
82, 107.081, 134.041



Protanomaly
80, 86.675, 115.253

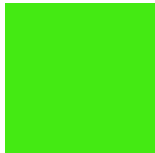


Deuteranomaly
79, 77.033, 109.788



Tritanomaly
81, 55.186, 155.325

Monochromacy



Original Color
82, 107.081, 134.041



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 47.859, 135.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 107.187, 134.003 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(68, 234, 19)` looks like.

```
.text, #text, p{  
    color:rgb(68, 234, 19)  
}
```

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(68, 234, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 234, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 107.187, 134.003 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(68, 234, 19) }
```

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

```
.border{ border-color:rgb(68, 234, 19) }
```

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

Here you see how a box with a 4 pixel rgb(68, 234, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 234, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 234, 19);  
box-shadow:4px 4px 4px 4px rgb(68, 234,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 107.187, 134.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 234, 19) }
```

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

```
.background{ background-color: rgb(68, 234,  
19) }
```

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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