

Converting Colors

CIELCh(82, 61.360, 154.787)

Have a look what the booklet for
CIELCh(82, 61.360, 154.787)
contains.

CIELCh(82, 61.183, 154.867)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 61.183, 154.867)

Conversions

Conversions Part 1

Format	Color
Hex	56E599
RGB	86, 229, 153
RGB Percent	34%, 90%, 60%
CMY	0.6629, 0.1021, 0.4001
CMYK	0.62, 0.00, 0.33, 0.10
HSL	148°, 73%, 62%
HSV	148°, 62%, 90%
XYZ	37.5932, 60.2982, 39.7827
YIQ	177.5790, -60.8320, -53.9520

Conversions

Conversions Part 2

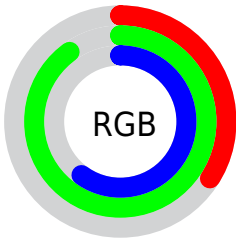
Format	Color
R _Y B	86, 183, 229
Decimal	5694873
CIE Lab	82.00, -55.39, 25.99
CIE LCh	82, 61.183, 154.867
Yxy	60.2982, 0.2731, 0.4380
Android (android.graphics.Color)	4283884953 (0xFF56E599)
YUV	177.5790, -12.1174, -80.3148
Hunter-Lab	77.6519, -49.4746, 23.9808

Details

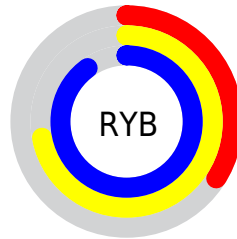
The CIELCh color **82, 61.183, 154.867** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **58, 63.664, 349.142**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 43.276, 162.687**, and **62, 60.122, 154.114** is the 20% darker color. If you saturate the color by 10%, you get **81, 68.910, 153.110**, and if you desaturate by 10%, it is **83, 52.600, 156.417**.

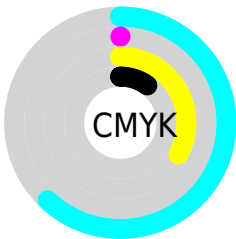
Distribution



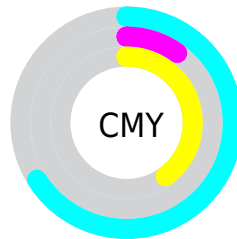
- Red (34%)
- Green (90%)
- Blue (60%)



- Red (34%)
- Yellow (72%)
- Blue (90%)



- Cyan (62%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)




- Cyan (66%)
- Magenta (10%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 61.183, 154.867 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, 61.183, 154.867 by changing the saturation by 10% instead.


 82, 61.183,
154.867


 82, 61.183,
154.867


 100, 61.183,
154.867


 72, 61.183,
154.867

 62, 61.183,
154.867

 52, 61.183,
154.867

 42, 61.183,
154.867

 32, 61.183,
154.867

 22, 61.183,
154.867

 12, 61.183,

154.867

■ 2, 61.183, 154.867

■ 0, 61.183, 154.867

■ 82, 61.183,
154.867

■ 82, 61.183,
154.867

■ 81, 68.910,
153.110

■ 83, 52.600,
156.417

■ 81, 75.682,
151.139

■ 84, 43.308,
157.779

■ 80, 81.487,
148.972

■ 85, 33.484,
158.978

■ 80, 85.342,
147.280


■ 87, 23.310,
160.040


■ 89, 12.948,

160.994

 90, 2.541, 161.973

 93, 7.798, 342.504

 94, 14.362,
330.434

 94, 16.264,
324.987

Harmonies

Complementary

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



82, 61.183, 154.867



58, 63.664, 349.142

Rectangle

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



82, 61.183, 154.867



82, 61.183, 204.867



82, 61.183, 334.867



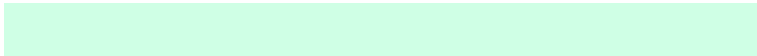
82, 61.183, 24.867

Sweetspot

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



82, 61.184, 154.867



96, 21.543, 160.369



84, 74.872, 125.177



51, 14.814, 160.087



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, 61.184, 154.867



89, 77.060, 152.543



84, 39.916, 193.102



47, 5.913, 161.266



64, 70.240, 147.682



18, 27.062, 151.889

Inverse Universe

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



58, 63.664, 349.142



60, 78.459, 351.833



56, 62.048, 25.970



45, 5.979, 342.722



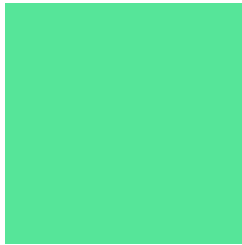
38, 65.291, 358.938



7, 27.948, 352.590

Previews

White Background



This preview shows how the CIELCh color 82, 61.183, 154.867 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, 61.183, 154.867 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, 61.183, 154.867

Background



This preview shows how black text looks on a background with the CIELCh color 82, 61.183, 154.867.

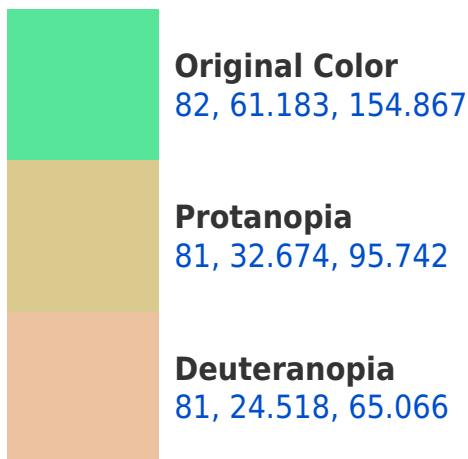


This preview shows how white text looks on a background with the CIELCh color 82, 61.183, 154.867.

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



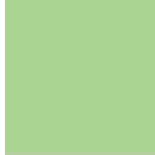


Tritanopia
82, 31.540, 214.227

Trichromacy



Original Color
82, 61.183, 154.867



Protanomaly
81, 38.676, 131.915



Deuteranomaly
80, 27.723, 129.064



Tritanomaly
82, 37.836, 182.920

Monochromacy



Original Color
82, 61.183, 154.867



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 24.340, 159.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 61.183, 154.867 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(86, 229, 153)` looks like.

```
.text, #text, p{  
    color:rgb(86, 229, 153)  
}
```

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(86, 229, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 229, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 61.183, 154.867 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(86, 229, 153) }
```

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

```
.border{ border-color:rgb(86, 229, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 229, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 229, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 229, 153);  
box-shadow:4px 4px 4px 4px rgb(86, 229,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 61.183, 154.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 229, 153) }
```

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

```
.background{ background-color: rgb(86, 229,  
153) }
```

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