

Converting Colors

CIELCh(82, 74.374, 152.708)

Have a look what the booklet for
CIELCh(82, 74.374, 152.708)
contains.

CIELCh(82, 74.476, 152.728)	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, 74.476, 152.728)

Conversions

Conversions Part 1

Format	Color
Hex	27E989
RGB	39, 233, 137
RGB Percent	15%, 91%, 54%
CMY	0.8462, 0.0877, 0.4641
CMYK	0.83, 0.00, 0.41, 0.09
HSL	150°, 81%, 53%
HSV	150°, 83%, 91%
XYZ	34.3693, 60.2982, 33.3673
YIQ	164.0500, -84.8080, -70.9840

Conversions

Conversions Part 2

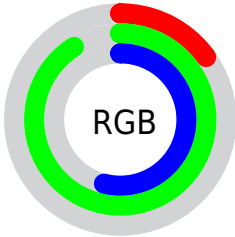
Format	Color
RYB	39, 168, 233
Decimal	2615689
CIELab	82.00, -66.20, 34.13
CIElCh	82, 74.476, 152.728
Yxy	60.2982, 0.2684, 0.4710
Android (android.graphics.Color)	4280805769 (0xFF27E989)
YUV	164.0500, -13.3356, -109.6688
Hunter-Lab	77.6519, -56.8855, 28.8792

Details

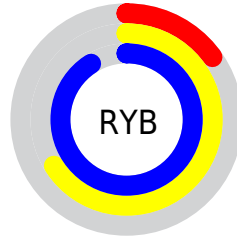
The CIELCh color **82, 74.476, 152.728** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **52, 75.679, 356.644**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 55.016, 159.234**, and **63, 68.093, 148.668** is the 20% darker color. If you saturate the color by 10%, you get **82, 80.008, 150.529**, and if you desaturate by 10%, it is **83, 67.998, 154.725**.

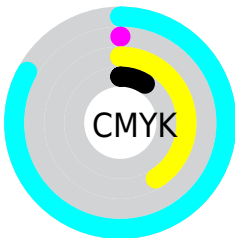
Distribution



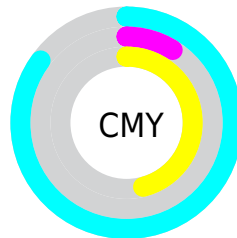
- Red (15%)
- Green (91%)
- Blue (54%)



- Red (15%)
- Yellow (66%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)



- Cyan (85%)
- Magenta (9%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 74.476, 152.728 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, 74.476, 152.728 by changing the saturation by 10% instead.

 82, 74.476,
152.728

 82, 74.476,
152.728


 100, 74.476,
152.728

 72, 74.476,
152.728

 62, 74.476,
152.728

 52, 74.476,
152.728

 42, 74.476,
152.728

 32, 74.476,
152.728

 22, 74.476,
152.728

 12, 74.476,

152.728

■ 2, 74.476, 152.728

■ 0, 74.476, 152.728

■ 82, 74.476,
152.728

■ 82, 74.476,
152.728

■ 82, 80.008,
150.529

■ 83, 67.998,
154.725

■ 81, 83.373,
148.969

■ 83, 60.569,
156.506

■ 84, 52.269,
158.080

■ 85, 43.238,
159.467

■ 87, 33.647,

160.691

■ 88, 23.673,
161.780

■ 90, 13.480,
162.762

■ 92, 3.211, 163.741

■ 94, 7.017, 344.324

Harmonies

Complementary

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



82, 74.476, 152.728



52, 75.679, 356.644

Rectangle

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



82, 74.476, 152.728



82, 74.476, 202.728



82, 74.476, 332.728



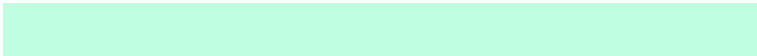
82, 74.476, 22.728

Sweetspot

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



82, 74.476, 152.728



95, 27.524, 161.574



84, 94.378, 126.672



50, 18.732, 161.195



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, 74.476, 152.728



88, 89.601, 148.844



84, 45.215, 196.481



48, 5.868, 163.105



65, 68.536, 149.373



19, 27.125, 153.363

Inverse Universe

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



52, 75.679, 356.644



55, 84.589, 3.316



51, 85.914, 35.262



46, 5.945, 344.609



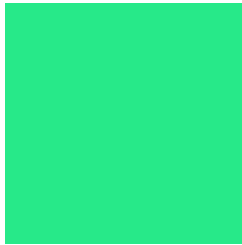
39, 65.501, 2.293



8, 28.573, 355.502

Previews

White Background



This preview shows how the CIE LCh color 82, 74.476, 152.728 looks on a white background.

Color Contrast Check

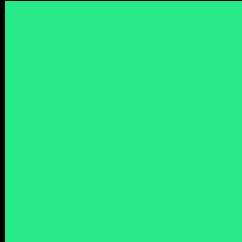
Large Text (above 18pt) WCAG AA × Fail

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, 74.476, 152.728 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

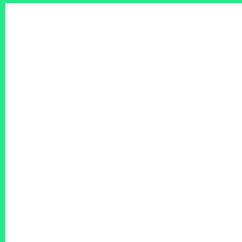
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 74.476, 152.728

Background



This preview shows how black text looks on a background with the CIELCh color 82, 74.476, 152.728.

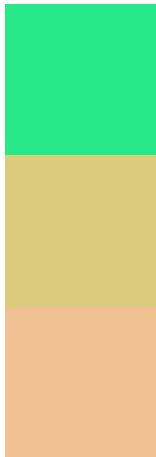


This preview shows how white text looks on a background with the CIELCh color 82, 74.476, 152.728.

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](#).

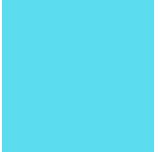
Dichromacy



Original Color
82, 74.546, 152.769

Protanopia
81, 40.852, 95.951

Deuteranopia
81, 31.588, 71.080

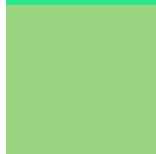


Tritanopia
82, 35.810, 212.815

Trichromacy



Original Color
82, 74.546, 152.769



Protanomaly
80, 49.355, 133.846



Deuteranomaly
79, 37.267, 132.396



Tritanomaly
82, 44.884, 180.466

Monochromacy



Original Color
82, 74.546, 152.769



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 31.744, 160.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 74.476, 152.728 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(39, 233, 137)` looks like.

```
.text, #text, p{  
    color:rgb(39, 233, 137)  
}
```

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(39, 233, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 233, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 74.476, 152.728 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(39, 233, 137) }
```

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

```
.border{ border-color:rgb(39, 233, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 233, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 233, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 233, 137);  
box-shadow:4px 4px 4px 4px rgb(39, 233,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 74.476, 152.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 233, 137) }
```

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

```
.background{ background-color: rgb(39, 233,  
137) }
```

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