

Converting Colors

CIELCh(82, 76.905, 153.365)

Have a look what the booklet for
CIELCh(82, 76.905, 153.365)
contains.

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Color

CIELCh(82, 76.940, 153.240)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00E988 |
| RGB | 0, 233, 136 |
| RGB Percent | 0%, 91%, 53% |
| CMY | 1.0000, 0.0844, 0.4685 |
| CMYK | 1.00, 0.00, 0.42, 0.08 |
| HSL | 155°, 100%, 46% |
| HSV | 155°, 100%, 92% |
| XYZ | 33.6500, 60.2982, 32.9853 |
| YIQ | 152.2750, -107.7310, -79.5630 |

Conversions

Conversions Part 2

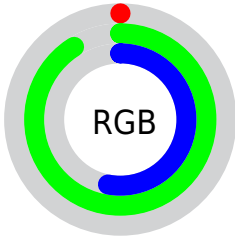
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 147, 233 |
| Decimal | 59784 |
| CIELab | 82.00, -68.70, 34.64 |
| CIELCh | 82, 76.940, 153.240 |
| Yxy | 60.2982, 0.2651, 0.4750 |
| Android (android.graphics.Color) | 4278249864 (0xFF00E988) |
| YUV | 152.2750, -8.0236, -133.5452 |
| Hunter-Lab | 77.6519, -58.5389, 29.1709 |

Details

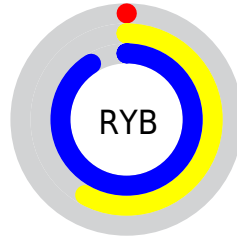
The CIELCh color **82, 76.940, 153.240** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **50, 79.204, 10.618**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 57.366, 160.159**, and **63, 68.484, 148.392** is the 20% darker color. If you saturate the color by 10%, you get **82, 76.871, 153.201**, and if you desaturate by 10%, it is **82, 72.496, 155.482**.

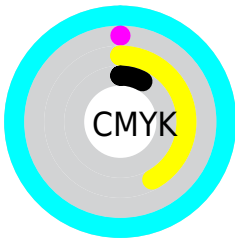
Distribution



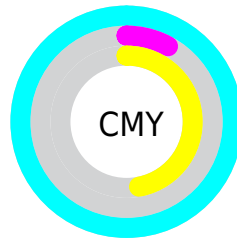
- Red (0%)
- Green (91%)
- Blue (53%)



- Red (0%)
- Yellow (58%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 76.940, 153.240 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, 76.940, 153.240 by changing the saturation by 10% instead.


 82, 76.940,
153.240


 82, 76.940,
153.240


 100, 76.940,
153.240


 72, 76.940,
153.240

 62, 76.940,
153.240

 52, 76.940,
153.240

 42, 76.940,
153.240

 32, 76.940,
153.240

 22, 76.940,
153.240

 12, 76.940,

153.240

■ 2, 76.940, 153.240

■ 0, 76.940, 153.240

■ 82, 76.940,
153.240

■ 82, 76.940,
153.240

■ 82, 76.871,
153.201

■ 82, 72.496,
155.482

■ 83, 67.354,
157.617

■ 83, 61.284,
159.538

■ 84, 54.291,
161.246

■ 85, 46.461,

162.761

■ 86, 37.929,
164.105

■ 87, 28.858,
165.306

■ 89, 19.413,
166.389

■ 91, 9.747, 167.388

Harmonies

Complementary

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



82, 76.940, 153.240



50, 79.204, 10.618

Rectangle

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



82, 76.940, 153.240



82, 76.940, 203.240



82, 76.940, 333.240



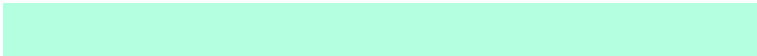
82, 76.940, 23.240

Sweetspot

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



82, 76.871, 153.201



94, 30.990, 165.290



83, 104.463, 130.312



50, 21.029, 164.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

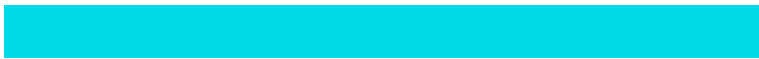
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 76.871, 153.201



89, 82.361, 153.080



80, 43.005, 207.911



48, 5.559, 167.440



65, 63.045, 153.612



19, 25.120, 157.572

Inverse Universe

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



50, 79.204, 10.618



54, 84.699, 10.893



49, 96.957, 40.554



46, 5.658, 349.031



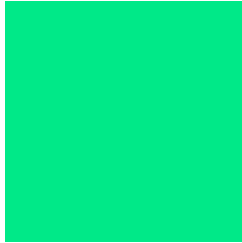
38, 65.391, 9.693



8, 28.041, 1.432

Previews

White Background



This preview shows how the CIE LCh color 82, 76.940, 153.240 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, 76.940, 153.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

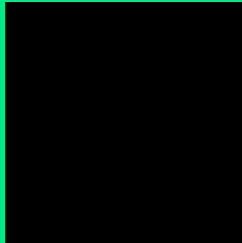
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 76.940, 153.240

Background



This preview shows how black text looks on a background with the CIELCh color 82, 76.940, 153.240.

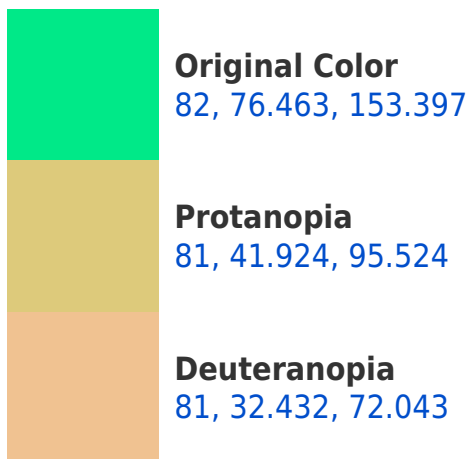


This preview shows how white text looks on a background with the CIELCh color 82, 76.940, 153.240.

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, 36.753, 212.349

Trichromacy



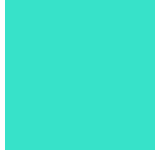
Original Color
82, 76.463, 153.397



Protanomaly
79, 52.196, 137.816



Deuteranomaly
78, 40.711, 138.035



Tritanomaly
82, 47.816, 179.954

Monochromacy



Original Color
82, 76.463, 153.397



Achromatopsia
63, 0.008, 296.813



Achromatomaly
68, 35.526, 163.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 76.940, 153.240 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(0, 233, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 136)  
}
```

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(0, 233, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 76.940, 153.240 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(0, 233, 136) }
```

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

```
.border{ border-color:rgb(0, 233, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 76.940, 153.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 136) }
```

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

```
.background{ background-color: rgb(0, 233,  
136) }
```

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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