

# Converting Colors

CIELCh(82, 78.252, 152.377)

Have a look what the booklet for  
CIELCh(82, 78.252, 152.377)  
contains.

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**Color**

**CIELCh(82, 78.453, 152.229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EA84
RGB	0, 234, 132
RGB Percent	0%, 92%, 52%
CMY	1.0000, 0.0837, 0.4835
CMYK	1.00, 0.00, 0.44, 0.08
HSL	154°, 100%, 46%
HSV	154°, 100%, 92%
XYZ	33.4459, 60.2982, 31.5969
YIQ	152.4060, -106.7220, -81.3300

# Conversions

## Conversions Part 2

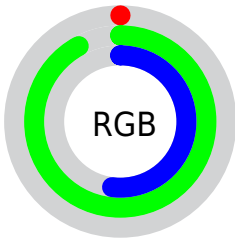
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 150, 234
Decimal	60036
CIELab	82.00, -69.42, 36.55
CIELCh	82, 78.453, 152.229
Yxy	60.2982, 0.2668, 0.4811
Android (android.graphics.Color)	4278250116 (0xFF00EA84)
YUV	152.4060, -10.0602, -133.6601
Hunter-Lab	77.6519, -59.0082, 30.2310

# Details

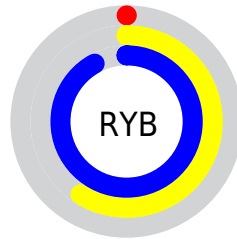
The CIELCh color **82, 78.453, 152.229** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **50, 79.100, 8.954**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 58.627, 158.540**, and **63, 70.529, 147.191** is the 20% darker color. If you saturate the color by 10%, you get **82, 78.408, 152.203**, and if you desaturate by 10%, it is **82, 73.879, 154.487**.

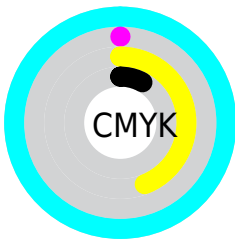
# Distribution



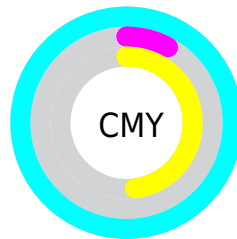
- Red (0%)
- Green (92%)
- Blue (52%)



- Red (0%)
- Yellow (59%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (48%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 78.453, 152.229 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, 78.453, 152.229 by changing the saturation by 10% instead.




 82, 78.453,  
152.229


 82, 78.453,  
152.229


 100, 78.453,  
152.229


 72, 78.453,  
152.229

 62, 78.453,  
152.229

 52, 78.453,  
152.229

 42, 78.453,  
152.229

 32, 78.453,  
152.229

 22, 78.453,  
152.229

 12, 78.453,

152.229

■ 2, 78.453, 152.229

■ 0, 78.453, 152.229

■ 82, 78.453,  
152.229

■ 82, 78.453,  
152.229

■ 82, 78.408,  
152.203

■ 82, 73.879,  
154.487

■ 83, 68.575,  
156.627

■ 83, 62.337,  
158.554

■ 84, 55.174,  
160.267

■ 85, 47.176,

161.784

■ 86, 38.482,  
163.128

■ 87, 29.256,  
164.326

■ 89, 19.666,  
165.404

■ 91, 9.868, 166.395

# Harmonies

# Complementary

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



82, 78.453, 152.229



50, 79.100, 8.954

# Rectangle

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



82, 78.453, 152.229



82, 78.453, 202.229



82, 78.453, 332.229



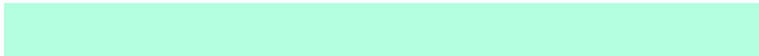
82, 78.453, 22.229

# Sweetspot

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



82, 78.408, 152.203



94, 31.399, 164.310



83, 103.995, 129.839



50, 21.313, 163.818



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

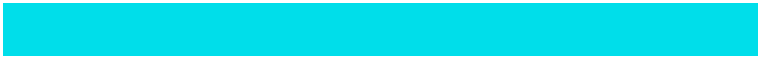
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 78.408, 152.203



89, 83.961, 152.083



81, 43.852, 204.817



48, 5.624, 166.446



65, 64.257, 152.615



19, 25.558, 156.591



# Inverse Universe

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



50, 79.100, 8.954



54, 84.525, 9.219



49, 97.261, 40.395



46, 5.718, 348.020



39, 65.305, 8.054

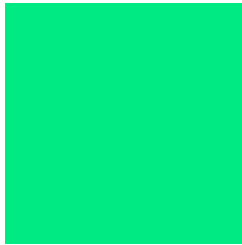


8, 28.128, 0.157



# Previews

## White Background



This preview shows how the CIE LCh color 82, 78.453, 152.229 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, 78.453, 152.229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

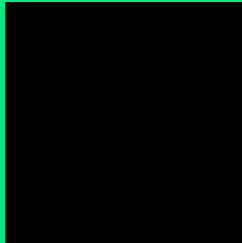
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 82, 78.453, 152.229**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 82, 78.453, 152.229.

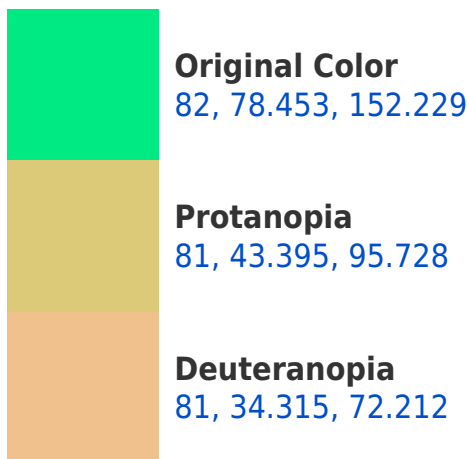


This preview shows how white text looks on a background with the CIELCh color 82, 78.453, 152.229.

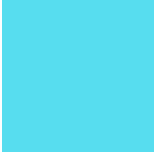
# Color Blindness Simulation

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, 36.600, 212.423

# Trichromacy



**Original Color**  
82, 78.453, 152.229



**Protanomaly**  
79, 54.513, 136.729



**Deuteranomaly**  
78, 42.512, 136.600



**Tritanomaly**  
81, 48.079, 179.367

# Monochromacy



**Original Color**  
82, 78.453, 152.229



**Achromatopsia**  
63, 0.008, 296.813



**Achromatomaly**  
68, 36.243, 162.408

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 78.453, 152.229 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, 234, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 132)  
}
```

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, 234, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 78.453, 152.229 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, 234, 132) }
```

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

```
.border{ border-color:rgb(0, 234, 132) }
```

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

Here you see how a box with a 4 pixel rgb(0, 234, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 78.453, 152.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 132) }
```

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

```
.background{ background-color: rgb(0, 234,  
132) }
```

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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