

Converting Colors

CIELCh(78, 82.385, 147.823)

Have a look what the booklet for
CIELCh(78, 82.385, 147.823)
contains.

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Color

CIELCh(78, 82.563, 147.745)

Conversions

Conversions Part 1

Format	Color
Hex	00DE6A
RGB	0, 222, 106
RGB Percent	0%, 87%, 42%
CMY	1.0000, 0.1299, 0.5847
CMYK	1.00, 0.00, 0.52, 0.13
HSL	149°, 100%, 44%
HSV	149°, 100%, 87%
XYZ	28.6764, 53.2120, 22.3657
YIQ	142.3980, -95.0760, -83.1400

Conversions

Conversions Part 2

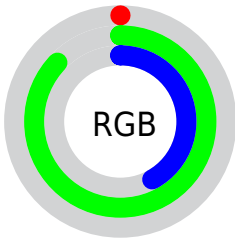
Format	Color
RYB	0, 150, 222
Decimal	56938
CIELab	78.00, -69.82, 44.06
CIELCh	78, 82.563, 147.745
Yxy	53.2120, 0.2751, 0.5104
Android (android.graphics.Color)	4278247018 (0xFF00DE6A)
YUV	142.3980, -17.9442, -124.8830
Hunter-Lab	72.9466, -57.4853, 32.8840

Details

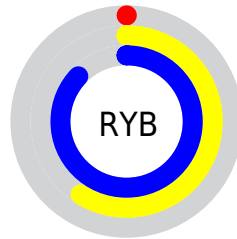
The CIELCh color **78, 82.563, 147.745** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **48, 76.535, 0.389**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 69.260, 150.332**, and **59, 74.393, 142.400** is the 20% darker color. If you saturate the color by 10%, you get **78, 82.547, 147.735**, and if you desaturate by 10%, it is **78, 77.521, 149.973**.

Distribution



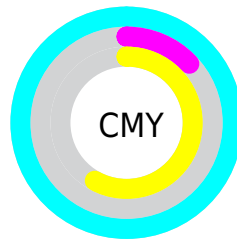
- Red (0%)
- Green (87%)
- Blue (42%)



- Red (0%)
- Yellow (59%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 82.563, 147.745 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 78, 82.563, 147.745 by changing the saturation by 10% instead.

 78, 82.563,
147.745


 78, 82.563,
147.745

 100, 82.563,
147.745

 68, 82.563,
147.745


 98, 82.563,
147.745

 58, 82.563,
147.745

 48, 82.563,
147.745

 38, 82.563,
147.745

 28, 82.563,
147.745

 18, 82.563,
147.745

 8, 82.563, 147.745

■ 0, 82.563, 147.745

■ 78, 82.563,
147.745

■ 78, 82.563,
147.745

■ 78, 82.547,
147.735

■ 78, 77.521,
149.973

■ 79, 71.687,
152.093

■ 79, 64.912,
154.008

■ 80, 57.232,
155.709

■ 81, 48.752,
157.209

■ 82, 39.625,
158.528

■ 83, 30.024,
159.692

■ 85, 20.120,
160.726

■ 87, 10.066,
161.664

Harmonies

Complementary

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



78, 82.563, 147.745



48, 76.535, 0.389

Rectangle

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



78, 82.563, 147.745



78, 82.563, 197.745



78, 82.563, 327.745



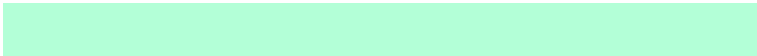
78, 82.563, 17.745

Sweetspot

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



78, 82.547, 147.735



94, 33.605, 159.666



80, 97.324, 127.096



50, 22.841, 159.187



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 82.547, 147.735



88, 92.067, 147.542



80, 46.341, 191.341



46, 5.768, 161.714



63, 68.861, 148.119



17, 25.854, 152.591

Inverse Universe

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



48, 76.535, 0.389



55, 84.951, 0.743



46, 92.776, 38.925



44, 5.835, 343.176



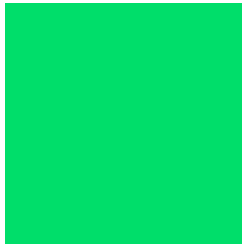
38, 64.468, 359.698



6, 26.674, 353.035

Previews

White Background



This preview shows how the CIE LCh color 78, 82.563, 147.745 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 78, 82.563, 147.745 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 78, 82.563, 147.745

Background



This preview shows how black text looks on a background with the CIELCh color 78, 82.563, 147.745.

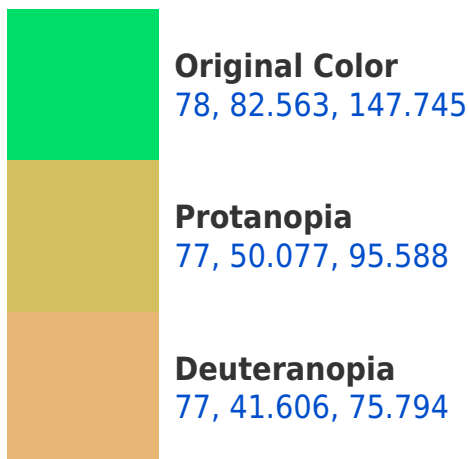


This preview shows how white text looks on a background with the CIELCh color 78, 82.563, 147.745.

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
78, 34.433, 212.688

Trichromacy



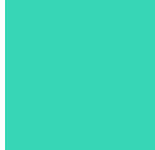
Original Color
78, 82.563, 147.745



Protanomaly
75, 59.246, 132.197



Deuteranomaly
74, 48.702, 129.698



Tritanomaly
77, 47.824, 174.916

Monochromacy



Original Color
78, 82.563, 147.745



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 37.464, 157.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 82.563, 147.745 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, 222, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 106)  
}
```

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, 222, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 82.563, 147.745 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, 222, 106) }
```

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

```
.border{ border-color:rgb(0, 222, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 82.563, 147.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 106) }
```

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

```
.background{ background-color: rgb(0, 222,  
106) }
```

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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