

Converting Colors

CIELCh(77, 67.509, 155.254)

Have a look what the booklet for
CIELCh(77, 67.509, 155.254)
contains.

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Color

CIELCh(77, 67.771, 155.135)

Conversions

Conversions Part 1

Format	Color
Hex	21D987
RGB	33, 217, 135
RGB Percent	13%, 85%, 53%
CMY	0.8694, 0.1502, 0.4717
CMYK	0.85, 0.00, 0.38, 0.15
HSL	153°, 73%, 49%
HSV	153°, 85%, 85%
XYZ	29.7209, 51.5317, 31.1957
YIQ	152.6360, -83.3420, -64.5100

Conversions

Conversions Part 2

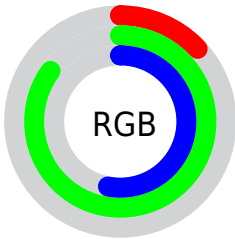
Format	Color
RYB	33, 151, 217
Decimal	2218375
CIELab	77.00, -61.49, 28.50
CIELCh	77, 67.771, 155.135
Yxy	51.5317, 0.2643, 0.4583
Android (android.graphics.Color)	4280408455 (0xFF21D987)
YUV	152.6360, -8.6945, -104.9208
Hunter-Lab	71.7856, -51.7218, 24.4844

Details

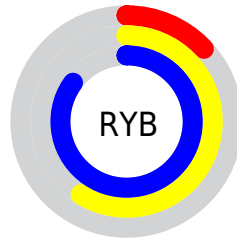
The CIELCh color **77, 67.771, 155.135** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **48, 71.249, 1.084**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 57.018, 159.320**, and **58, 61.391, 150.524** is the 20% darker color. If you saturate the color by 10%, you get **77, 72.500, 152.919**, and if you desaturate by 10%, it is **77, 62.188, 157.148**.

Distribution



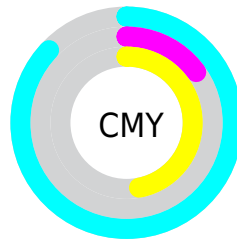
- Red (13%)
- Green (85%)
- Blue (53%)



- Red (13%)
- Yellow (59%)
- Blue (85%)



- Cyan (85%)
- Magenta (0%)
- Yellow (38%)
- Black (15%)




- Cyan (87%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 67.771, 155.135 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 77, 67.771, 155.135 by changing the saturation by 10% instead.


 77, 67.771,
155.135


 77, 67.771,
155.135


 100, 67.771,
155.135


 67, 67.771,
155.135


 97, 67.771,
155.135

 57, 67.771,
155.135

 47, 67.771,
155.135

 37, 67.771,
155.135

 27, 67.771,
155.135

 17, 67.771,
155.135

 7, 67.771, 155.135

■ 0, 67.771, 155.135

■ 77, 67.771,
155.135

■ 77, 67.771,
155.135

■ 77, 72.500,
152.919

■ 77, 62.188,
157.148

■ 77, 74.799,
151.706

■ 78, 55.723,
158.946

■ 79, 48.432,
160.540

■ 80, 40.429,
161.950

■ 81, 31.863,
163.203

■ 82, 22.892,
164.323

■ 84, 13.668,
165.339

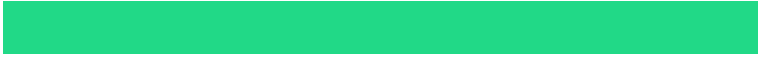
■ 86, 4.326, 166.318

■ 88, 5.023, 346.955

Harmonies

Complementary

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



77, 67.771, 155.135



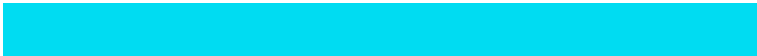
48, 71.249, 1.084

Rectangle

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



77, 67.771, 155.135



77, 67.771, 205.135



77, 67.771, 335.135



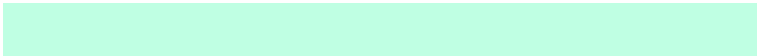
77, 67.771, 25.135

Sweetspot

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



77, 67.771, 155.135



95, 26.506, 164.259



78, 91.523, 128.371



50, 18.027, 163.873



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 67.771, 155.135



89, 84.969, 151.474



76, 40.515, 203.712



44, 5.258, 165.841



62, 62.154, 152.115



15, 22.190, 157.179

Inverse Universe

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



48, 71.249, 1.084



55, 84.459, 8.165



48, 81.098, 36.939



42, 5.341, 347.385



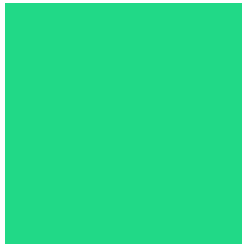
36, 62.536, 6.793



5, 23.056, 357.749

Previews

White Background



This preview shows how the CIELCh color 77, 67.771, 155.135 looks on a white background.

Color Contrast Check

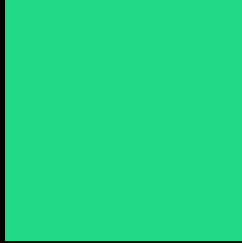
Large Text (above 18pt) WCAG AA × Fail

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 77, 67.771, 155.135 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 77, 67.771, 155.135

Background



This preview shows how black text looks on a background with the CIELCh color 77, 67.771, 155.135.

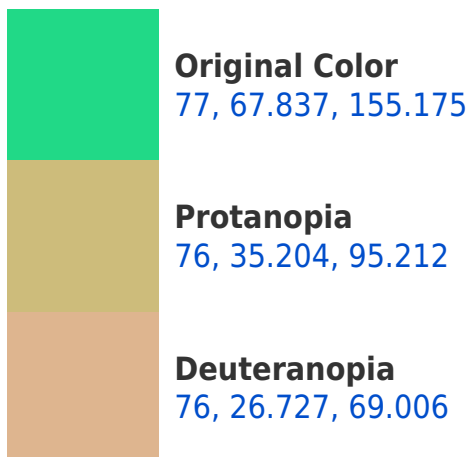


This preview shows how white text looks on a background with the CIELCh color 77, 67.771, 155.135.

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
77, 34.335, 212.764

Trichromacy



Original Color
77, 67.837, 155.175



Protanomaly
75, 43.330, 136.158



Deuteranomaly
74, 33.001, 136.202



Tritanomaly
77, 42.340, 182.310

Monochromacy



Original Color
77, 67.837, 155.175



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 29.478, 162.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 67.771, 155.135 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(33, 217, 135)` looks like.

```
.text, #text, p{  
    color:rgb(33, 217, 135)  
}
```

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(33, 217, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 217, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 67.771, 155.135 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(33, 217, 135) }
```

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

```
.border{ border-color:rgb(33, 217, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 217, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 217, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 217, 135);  
box-shadow:4px 4px 4px 4px rgb(33, 217,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 67.771, 155.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 217, 135) }
```

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

```
.background{ background-color: rgb(33, 217,  
135) }
```

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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