

Converting Colors

CIELCh(75, 90.005, 160.901)

Have a look what the booklet for
CIELCh(75, 90.005, 160.901)
contains.

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Color

CIELCh(77, 72.683, 153.427)

Conversions

Conversions Part 1

Format	Color
Hex	00DA7F
RGB	0, 218, 127
RGB Percent	0%, 85%, 50%
CMY	1.0000, 0.1461, 0.5028
CMYK	1.00, 0.00, 0.42, 0.15
HSL	155°, 100%, 43%
HSV	155°, 100%, 85%
XYZ	28.8066, 51.5317, 28.4301
YIQ	142.4440, -100.7170, -74.5170

Conversions

Conversions Part 2

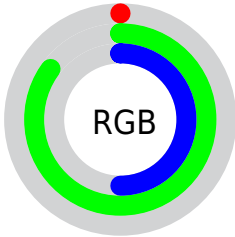
Format	Color
RYB	0, 138, 218
Decimal	55935
CIELab	77.00, -65.01, 32.51
CIELCh	77, 72.683, 153.427
Yxy	51.5317, 0.2648, 0.4738
Android (android.graphics.Color)	4278246015 (0xFF00DA7F)
YUV	142.4440, -7.6139, -124.9234
Hunter-Lab	71.7856, -53.9953, 26.7686

Details

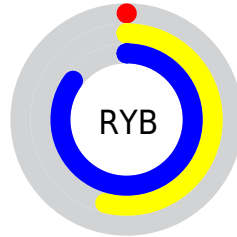
The CIELCh color **77, 72.683, 153.427** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **46, 75.143, 10.552**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 61.297, 157.311**, and **58, 64.594, 148.042** is the 20% darker color. If you saturate the color by 10%, you get **77, 72.650, 153.407**, and if you desaturate by 10%, it is **77, 68.493, 155.666**.

Distribution



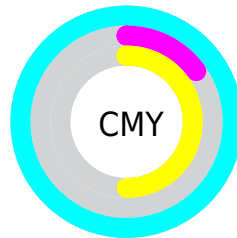
- Red (0%)
- Green (85%)
- Blue (50%)



- Red (0%)
- Yellow (54%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 72.683, 153.427 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, 72.683, 153.427 by changing the saturation by 10% instead.


 77, 72.683,
153.427

 77, 72.683,
153.427


 100, 72.683,
153.427


 67, 72.683,
153.427


 97, 72.683,
153.427

 57, 72.683,
153.427

 47, 72.683,
153.427

 37, 72.683,
153.427

 27, 72.683,
153.427

 17, 72.683,
153.427

 7, 72.683, 153.427

0, 72.683, 153.427

77, 72.683,
153.427

77, 72.683,
153.427

77, 72.650,
153.407

77, 68.493,
155.666

78, 63.620,
157.785

78, 57.873,
159.690

79, 51.259,
161.386

80, 43.859,
162.890

81, 35.801,
164.226

■ 82, 27.237,
165.420

■ 84, 18.322,
166.499

■ 85, 9.199, 167.494

Harmonies

Complementary

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



77, 72.683, 153.427



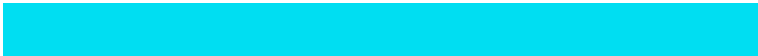
46, 75.143, 10.552

Rectangle

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



77, 72.683, 153.427



77, 72.683, 203.427



77, 72.683, 333.427



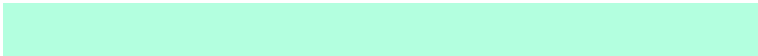
77, 72.683, 23.427

Sweetspot

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



77, 72.650, 153.407



94, 30.950, 165.390



78, 99.046, 130.247



50, 21.000, 164.896



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, 72.650, 153.407



89, 82.198, 153.183



75, 40.815, 207.860



45, 5.253, 167.549



62, 60.848, 153.795



16, 22.449, 158.514

Inverse Universe

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



46, 75.143, 10.552



54, 84.721, 11.062



46, 91.934, 40.595



43, 5.347, 349.127



37, 63.331, 9.680



6, 24.402, 0.077

Previews

White Background



This preview shows how the CIELCh color 77, 72.683, 153.427 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, 72.683, 153.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

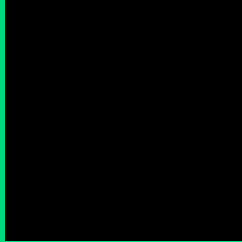
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 72.683, 153.427

Background



This preview shows how black text looks on a background with the CIELCh color 77, 72.683, 153.427.

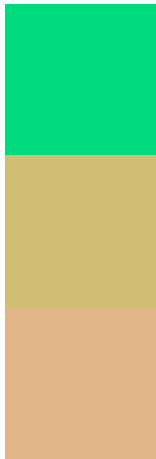


This preview shows how white text looks on a background with the CIELCh color 77, 72.683, 153.427.

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
77, 72.683, 153.427

Protanopia
77, 39.696, 96.021

Deuteranopia
76, 30.348, 71.657



Tritanopia
77, 34.807, 212.518

Trichromacy



Original Color
77, 72.683, 153.427



Protanomaly
74, 49.796, 137.882



Deuteranomaly
74, 38.158, 138.138



Tritanomaly
76, 44.834, 180.785

Monochromacy



Original Color
77, 72.683, 153.427



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 34.236, 162.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 72.683, 153.427 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, 218, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 127)  
}
```

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, 218, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 72.683, 153.427 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, 218, 127) }
```

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

```
.border{ border-color:rgb(0, 218, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 72.683, 153.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 127) }
```

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

```
.background{ background-color: rgb(0, 218,  
127) }
```

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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