

# Converting Colors

CIELCh(75, 72.167, 151.438)

Have a look what the booklet for  
CIELCh(75, 72.167, 151.438)  
contains.

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**Color**

**CIELCh(75, 71.898, 151.566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AD376
RGB	26, 211, 118
RGB Percent	10%, 83%, 46%
CMY	0.8986, 0.1713, 0.5361
CMYK	0.88, 0.00, 0.44, 0.17
HSL	150°, 78%, 47%
HSV	150°, 88%, 83%
XYZ	27.0821, 48.2781, 25.1192
YIQ	145.0830, -80.4070, -68.1430

# Conversions

## Conversions Part 2

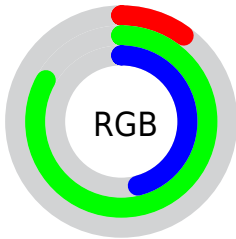
<b>Format</b>	<b>Color</b>
<b>RYB</b>	26, 150, 211
Decimal	1758070
CIELab	75.00, -63.22, 34.23
CIELCh	75, 71.898, 151.566
Yxy	48.2781, 0.2695, 0.4805
Android (android.graphics.Color)	4279948150 (0xFF1AD376)
YUV	145.0830, -13.3519, -104.4358
Hunter-Lab	69.4824, -52.0205, 27.2032

# Details

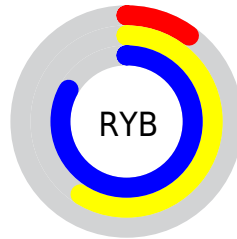
The CIELCh color **75, 71.898, 151.566** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 71.716, 357.558**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.356, 153.584**, and **56, 64.761, 146.601** is the 20% darker color. If you saturate the color by 10%, you get **75, 76.740, 149.327**, and if you desaturate by 10%, it is **75, 66.232, 153.638**.

# Distribution



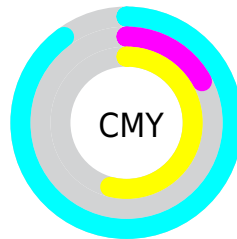
- Red (10%)
- Green (83%)
- Blue (46%)



- Red (10%)
- Yellow (59%)
- Blue (83%)



- Cyan (88%)
- Magenta (0%)
- Yellow (44%)
- Black (17%)




- Cyan (90%)
- Magenta (17%)
- Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 71.898, 151.566 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 75, 71.898, 151.566 by changing the saturation by 10% instead.




 75, 71.898,  
151.566

 75, 71.898,  
151.566


 100, 71.898,  
151.566


 65, 71.898,  
151.566


 95, 71.898,  
151.566

 55, 71.898,  
151.566

 45, 71.898,  
151.566

 35, 71.898,  
151.566

 25, 71.898,  
151.566

 15, 71.898,  
151.566

 5, 71.898, 151.566

■ 0, 71.898, 151.566

■ 75, 71.898,  
151.566

■ 75, 71.898,  
151.566

■ 75, 76.740,  
149.327

■ 75, 66.232,  
153.638

■ 75, 77.769,  
148.838

■ 76, 59.679,  
155.498

■ 77, 52.283,  
157.148

■ 78, 44.156,  
158.603

■ 79, 35.444,  
159.887

■ 80, 26.310,  
161.024

■ 82, 16.912,  
162.041

■ 83, 7.390, 162.977

■ 85, 2.136, 343.539

# Harmonies

# Complementary

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



75, 71.898, 151.566



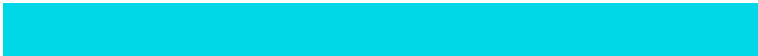
47, 71.716, 357.558

# Rectangle

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



75, 71.898, 151.566



75, 71.898, 201.566



75, 71.898, 331.566



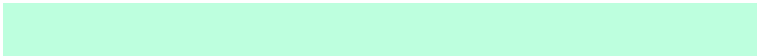
75, 71.898, 21.566

# Sweetspot

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



75, 71.898, 151.566



95, 28.728, 161.181



77, 89.620, 126.375



50, 19.425, 160.804



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



75, 71.898, 151.566



88, 90.111, 148.569



77, 43.072, 194.161



43, 5.359, 162.825



61, 65.113, 149.234



13, 22.389, 154.677



# Inverse Universe

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



47, 71.716, 357.558



55, 84.647, 2.783



45, 82.552, 35.880



41, 5.427, 344.300



36, 62.135, 1.519

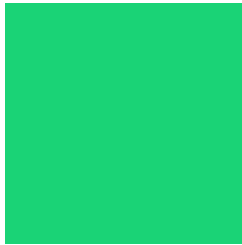


5, 21.829, 353.838



# Previews

## White Background



This preview shows how the CIELCh color 75, 71.898, 151.566 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 75, 71.898, 151.566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

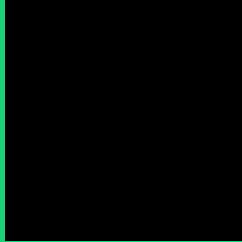
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 75, 71.898, 151.566**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 71.898, 151.566.

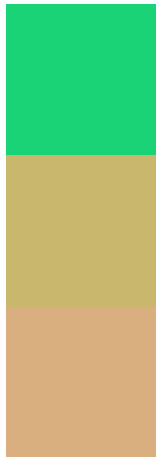


This preview shows how white text looks on a background with the CIELCh color 75, 71.898, 151.566.

# 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

75, 71.845, 151.532

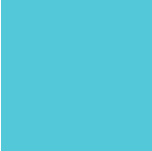
### Protanopia

74, 40.391, 95.940

### Deuteranopia

74, 31.927, 72.954





**Tritanopia**  
75, 33.305, 212.384

# Trichromacy



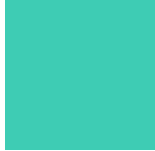
**Original Color**  
75, 71.845, 151.532



**Protanomaly**  
73, 48.237, 133.390



**Deuteranomaly**  
72, 37.732, 131.744



**Tritanomaly**  
75, 42.976, 178.579

# Monochromacy



**Original Color**  
75, 71.845, 151.532



**Achromatopsia**  
60, 0.008, 296.813



**Achromatomaly**  
64, 31.122, 159.433

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 71.898, 151.566 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(26, 211, 118)` looks like.

```
.text, #text, p{  
    color:rgb(26, 211, 118)  
}
```

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(26, 211, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 211, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 71.898, 151.566 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(26, 211, 118) }
```

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

```
.border{ border-color:rgb(26, 211, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 211, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 211, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 211, 118);  
box-shadow:4px 4px 4px 4px rgb(26, 211,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 71.898, 151.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 211, 118) }
```

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

```
.background{ background-color: rgb(26, 211,  
118) }
```

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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