

Converting Colors

CIELCh(74, 71.776, 150.361)

Have a look what the booklet for
CIELCh(74, 71.776, 150.361)
contains.

CIELCh(74, 71.807, 150.304)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(74, 71.807, 150.304)

Conversions

Conversions Part 1

Format	Color
Hex	22D071
RGB	34, 208, 113
RGB Percent	13%, 82%, 44%
CMY	0.8658, 0.1839, 0.5565
CMYK	0.84, 0.00, 0.46, 0.18
HSL	147°, 72%, 48%
HSV	147°, 84%, 82%
XYZ	26.2362, 46.7039, 23.2840
YIQ	145.1440, -73.2090, -66.4330

Conversions

Conversions Part 2

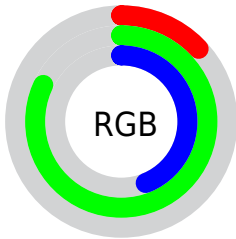
Format	Color
RYB	34, 154, 208
Decimal	2281585
CIELab	74.00, -62.38, 35.57
CIELCh	74, 71.807, 150.304
Yxy	46.7039, 0.2727, 0.4854
Android (android.graphics.Color)	4280471665 (0xFF22D071)
YUV	145.1440, -15.8470, -97.4733
Hunter-Lab	68.3403, -51.0685, 27.6377

Details

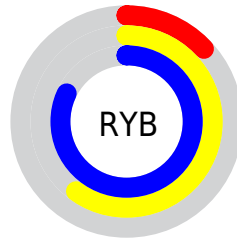
The CIELCh color **74, 71.807, 150.304** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 70.843, 352.677**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 65.753, 151.710**, and **55, 65.223, 145.607** is the 20% darker color. If you saturate the color by 10%, you get **74, 77.229, 148.148**, and if you desaturate by 10%, it is **74, 65.484, 152.271**.

Distribution



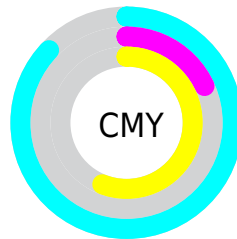
- Red (13%)
- Green (82%)
- Blue (44%)



- Red (13%)
- Yellow (60%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (46%)
- Black (18%)




- Cyan (87%)
- Magenta (18%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 71.807, 150.304 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 74, 71.807, 150.304 by changing the saturation by 10% instead.

 74, 71.807,
150.304

 74, 71.807,
150.304

 100, 71.807,
150.304

 64, 71.807,
150.304


 94, 71.807,
150.304

 54, 71.807,
150.304

 44, 71.807,
150.304

 34, 71.807,
150.304

 24, 71.807,
150.304

 14, 71.807,
150.304

 4, 71.807, 150.304

■ 0, 71.807, 150.304

■ 74, 71.807,
150.304

■ 74, 71.807,
150.304

■ 74, 77.229,
148.148

■ 74, 65.484,
152.271

■ 74, 80.354,
146.735

■ 75, 58.270,
154.028

■ 76, 50.254,
155.579

■ 77, 41.573,
156.943

■ 78, 32.391,
158.142

■ 80, 22.876,
159.202

■ 81, 13.182,
160.150

■ 83, 3.442, 161.072

■ 85, 6.238, 341.643

Harmonies

Complementary

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



74, 71.807, 150.304



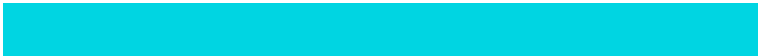
47, 70.843, 352.677

Rectangle

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



74, 71.807, 150.304



74, 71.807, 200.304



74, 71.807, 330.304



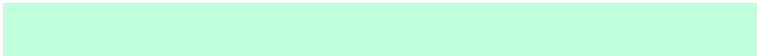
74, 71.807, 20.304

Sweetspot

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



74, 71.807, 150.304



95, 28.615, 159.026



76, 85.412, 124.880



50, 19.486, 158.656



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 71.807, 150.304



88, 94.235, 146.448



76, 43.021, 190.023



43, 5.537, 160.520



60, 68.077, 147.101



13, 23.297, 152.641

Inverse Universe

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



47, 70.843, 352.677



55, 85.439, 358.490



45, 76.540, 32.305



41, 5.595, 341.939



36, 62.811, 357.379



5, 22.326, 350.898

Previews

White Background



This preview shows how the CIELCh color 74, 71.807, 150.304 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 74, 71.807, 150.304 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 74, 71.807, 150.304

Background



This preview shows how black text looks on a background with the CIELCh color 74, 71.807, 150.304.

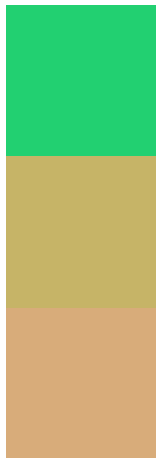


This preview shows how white text looks on a background with the CIELCh color 74, 71.807, 150.304.

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

74, 71.807, 150.304

Protanopia

73, 41.572, 95.402

Deuteranopia

73, 33.218, 73.158



Tritanopia
74, 32.371, 212.918

Trichromacy



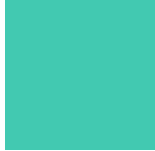
Original Color
74, 71.807, 150.304



Protanomaly
72, 48.557, 131.306



Deuteranomaly
71, 37.981, 128.484



Tritanomaly
74, 41.861, 178.094

Monochromacy



Original Color
74, 71.807, 150.304



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 30.539, 157.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 71.807, 150.304 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(34, 208, 113)` looks like.

```
.text, #text, p{  
    color:rgb(34, 208, 113)  
}
```

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(34, 208, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 208, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 71.807, 150.304 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(34, 208, 113) }
```

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

```
.border{ border-color:rgb(34, 208, 113) }
```

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

Here you see how a box with a 4 pixel rgb(34, 208, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 208, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 208, 113);  
box-shadow:4px 4px 4px 4px rgb(34, 208,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 71.807, 150.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 208, 113) }
```

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

```
.background{ background-color: rgb(34, 208,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor