

Converting Colors

CIELCh(80, 74.363, 150.375)

Have a look what the booklet for
CIELCh(80, 74.363, 150.375)
contains.

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Color

CIELCh(80, 74.343, 150.312)

Conversions

Conversions Part 1

Format	Color
Hex	33E27E
RGB	51, 226, 126
RGB Percent	20%, 89%, 49%
CMY	0.7992, 0.1132, 0.5054
CMYK	0.77, 0.00, 0.44, 0.11
HSL	146°, 75%, 54%
HSV	146°, 77%, 89%
XYZ	32.3805, 56.6813, 29.0118
YIQ	162.2750, -72.2000, -68.2000

Conversions

Conversions Part 2

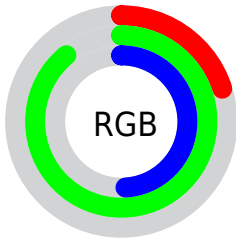
Format	Color
RYB	51, 174, 226
Decimal	3400318
CIELab	80.00, -64.58, 36.82
CIELCh	80, 74.343, 150.312
Yxy	56.6813, 0.2742, 0.4801
Android (android.graphics.Color)	4281590398 (0xFF33E27E)
YUV	162.2750, -17.8836, -97.5882
Hunter-Lab	75.2870, -54.9804, 29.8535

Details

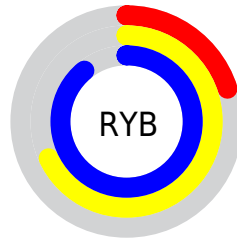
The CIELCh color **80, 74.343, 150.312** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle washed spring green. A complement of this color would be **53, 73.918, 349.420**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 58.303, 154.587**, and **61, 68.939, 146.655** is the 20% darker color. If you saturate the color by 10%, you get **80, 80.885, 148.267**, and if you desaturate by 10%, it is **81, 66.804, 152.155**.

Distribution



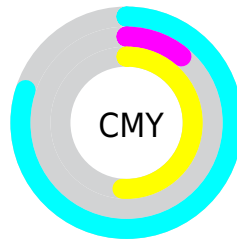
- Red (20%)
- Green (89%)
- Blue (49%)



- Red (20%)
- Yellow (68%)
- Blue (89%)



- Cyan (77%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)




- Cyan (80%)
- Magenta (11%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 74.343, 150.312 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 80, 74.343, 150.312 by changing the saturation by 10% instead.


 80, 74.343,
150.312


 80, 74.343,
150.312


 100, 74.343,
150.312


 70, 74.343,
150.312

 60, 74.343,
150.312

 50, 74.343,
150.312

 40, 74.343,
150.312

 30, 74.343,
150.312

 20, 74.343,
150.312

 10, 74.343,

150.312

■ 0, 74.343, 150.312

■ 80, 74.343,
150.312

■ 80, 74.343,
150.312

■ 80, 80.885,
148.267

■ 81, 66.804,
152.155

■ 79, 86.456,
146.068

■ 81, 58.339,
153.789

■ 79, 87.830,
145.502

■ 82, 49.087,
155.224

■ 84, 39.224,
156.482

■ 85, 28.938,
157.587

■ 87, 18.406,
158.565

■ 88, 7.784, 159.456

■ 90, 2.800, 340.022

■ 93, 13.249,
340.832

Harmonies

Complementary

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



80, 74.343, 150.312



53, 73.918, 349.420

Rectangle

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



80, 74.343, 150.312



80, 74.343, 200.312



80, 74.343, 330.312



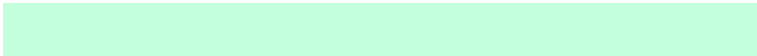
80, 74.343, 20.312

Sweetspot

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



80, 74.344, 150.312



95, 26.867, 158.012



83, 86.130, 123.357



50, 18.570, 157.645



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 74.344, 150.312



88, 92.508, 146.899



82, 45.737, 186.503



46, 5.979, 159.273



63, 72.181, 145.904



17, 27.035, 150.326

Inverse Universe

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



53, 73.918, 349.420



56, 85.836, 353.759



51, 74.740, 27.700



44, 6.035, 340.673



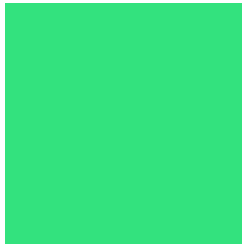
38, 65.440, 355.237



7, 27.289, 349.516

Previews

White Background



This preview shows how the CIELCh color 80, 74.343, 150.312 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 80, 74.343, 150.312 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 80, 74.343, 150.312

Background



This preview shows how black text looks on a background with the CIELCh color 80, 74.343, 150.312.

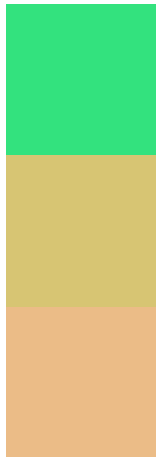


This preview shows how white text looks on a background with the CIELCh color 80, 74.343, 150.312.

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](#).

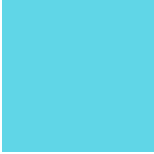
Dichromacy



Original Color
80, 74.343, 150.312

Protanopia
79, 43.474, 96.155

Deuteranopia
79, 34.701, 73.071



Tritanopia
80, 33.722, 213.025

Trichromacy



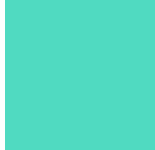
Original Color
80, 74.343, 150.312



Protanomaly
78, 50.763, 130.337



Deuteranomaly
77, 39.187, 126.940



Tritanomaly
79, 43.048, 178.245

Monochromacy



Original Color
80, 74.343, 150.312



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 30.470, 156.927

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 74.343, 150.312 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(51, 226, 126)` looks like.

```
.text, #text, p{  
    color:rgb(51, 226, 126)  
}
```

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(51, 226, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 226, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 74.343, 150.312 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(51, 226, 126) }
```

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

```
.border{ border-color:rgb(51, 226, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 226, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 226, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 226, 126);  
box-shadow:4px 4px 4px 4px rgb(51, 226,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 74.343, 150.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 226, 126) }
```

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

```
.background{ background-color: rgb(51, 226,  
126) }
```

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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