

Converting Colors

CIELCh(77, 73.468, 147.177)

Have a look what the booklet for
CIELCh(77, 73.468, 147.177)
contains.

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Color

CIELCh(77, 73.470, 147.138)

Conversions

Conversions Part 1

Format	Color
Hex	3FD870
RGB	63, 216, 112
RGB Percent	25%, 85%, 44%
CMY	0.7512, 0.1516, 0.5596
CMYK	0.71, 0.00, 0.48, 0.15
HSL	139°, 66%, 55%
HSV	139°, 71%, 85%
XYZ	29.6619, 51.5317, 23.8013
YIQ	158.3970, -57.8040, -64.7800

Conversions

Conversions Part 2

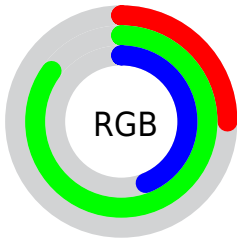
Format	Color
RYB	63, 179, 216
Decimal	4184176
CIELab	77.00, -61.71, 39.87
CIELCh	77, 73.470, 147.138
Yxy	51.5317, 0.2825, 0.4908
Android (android.graphics.Color)	4282374256 (0xFF3FD870)
YUV	158.3970, -22.8737, -83.6632
Hunter-Lab	71.7856, -51.8684, 30.5917

Details

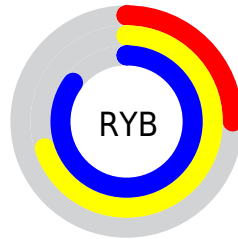
The CIELCh color **77, 73.470, 147.138** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **53, 72.116, 341.476**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 62.943, 148.873**, and **58, 69.878, 144.181** is the 20% darker color. If you saturate the color by 10%, you get **76, 81.174, 145.326**, and if you desaturate by 10%, it is **78, 64.723, 148.767**.

Distribution



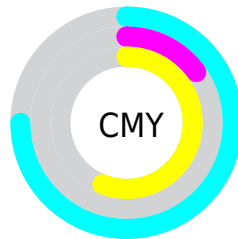
- Red (25%)
- Green (85%)
- Blue (44%)



- Red (25%)
- Yellow (70%)
- Blue (85%)



- Cyan (71%)
- Magenta (0%)
- Yellow (48%)
- Black (15%)





- Cyan (75%)
- Magenta (15%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 73.470, 147.138 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, 73.470, 147.138 by changing the saturation by 10% instead.


 77, 73.470,
147.138

 77, 73.470,
147.138


 100, 73.470,
147.138


 67, 73.470,
147.138


 97, 73.470,
147.138

 57, 73.470,
147.138

 47, 73.470,
147.138

 37, 73.470,
147.138

 27, 73.470,
147.138

 17, 73.470,
147.138

 7, 73.470, 147.138

■ 0, 73.470, 147.138

■ 77, 73.470,
147.138

■ 77, 73.470,
147.138

■ 76, 81.174,
145.326

■ 78, 64.723,
148.767

■ 76, 87.725,
143.370

■ 79, 55.095,
150.206

■ 76, 92.840,
141.532

■ 80, 44.788,
151.462

■ 81, 34.014,
152.554

■ 83, 22.970,
153.507

■ 84, 11.829,
154.348

■ 86, 0.733, 155.541

■ 88, 10.212,
335.645

■ 90, 20.157,
333.877

Harmonies

Complementary

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



77, 73.470, 147.138



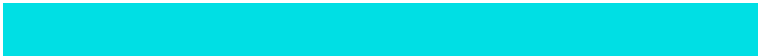
53, 72.116, 341.476

Rectangle

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



77, 73.470, 147.138



77, 73.470, 197.138



77, 73.470, 327.138



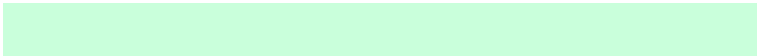
77, 73.470, 17.138

Sweetspot

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



77, 73.471, 147.138



96, 26.665, 153.460



81, 76.013, 119.139



50, 18.045, 153.206



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, 73.471, 147.138



88, 95.865, 144.338



78, 46.027, 177.070



44, 6.237, 154.449



61, 77.233, 141.884



14, 27.053, 147.329

Inverse Universe

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



53, 72.116, 341.476



58, 89.338, 343.772



51, 63.719, 17.509



42, 6.272, 335.708



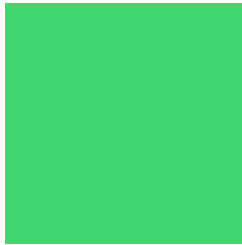
38, 67.626, 346.213



6, 26.110, 342.233

Previews

White Background



This preview shows how the CIELCh color 77, 73.470, 147.138 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, 73.470, 147.138 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, 73.470, 147.138

Background



This preview shows how black text looks on a background with the CIELCh color 77, 73.470, 147.138.

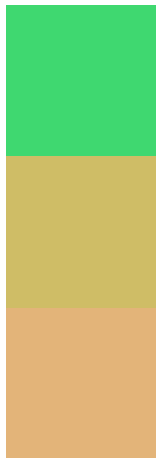


This preview shows how white text looks on a background with the CIELCh color 77, 73.470, 147.138.

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, 73.470, 147.138

Protanopia
76, 46.166, 96.204

Deuteranopia
76, 37.758, 75.098



Tritanopia
77, 30.725, 214.893

Trichromacy



Original Color
77, 73.470, 147.138



Protanomaly
75, 51.513, 125.932



Deuteranomaly
75, 40.776, 120.923



Tritanomaly
76, 40.444, 175.336

Monochromacy



Original Color
77, 73.470, 147.138



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 29.665, 152.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 73.470, 147.138 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(63, 216, 112)` looks like.

```
.text, #text, p{  
    color:rgb(63, 216, 112)  
}
```

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(63, 216, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 216, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 73.470, 147.138 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(63, 216, 112) }
```

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

```
.border{ border-color:rgb(63, 216, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 216, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 216, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 216, 112);  
box-shadow:4px 4px 4px 4px rgb(63, 216,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 73.470, 147.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 216, 112) }
```

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

```
.background{ background-color: rgb(63, 216,  
112) }
```

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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