

Converting Colors

CIELCh(78, 73.556, 148.559)

Have a look what the booklet for
CIELCh(78, 73.556, 148.559)
contains.

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Color

CIELCh(78, 73.730, 148.576)

Conversions

Conversions Part 1

Format	Color
Hex	3ADC76
RGB	58, 220, 118
RGB Percent	23%, 86%, 46%
CMY	0.7743, 0.1385, 0.5383
CMYK	0.74, 0.00, 0.46, 0.14
HSL	142°, 70%, 54%
HSV	142°, 74%, 86%
XYZ	30.4847, 53.2120, 25.7174
YIQ	159.9340, -63.8100, -66.0660

Conversions

Conversions Part 2

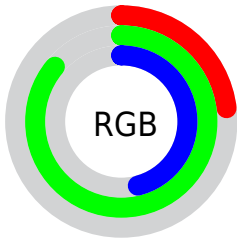
Format	Color
RYB	58, 176, 220
Decimal	3857526
CIELab	78.00, -62.92, 38.44
CIELCh	78, 73.730, 148.576
Yxy	53.2120, 0.2786, 0.4863
Android (android.graphics.Color)	4282047606 (0xFF3ADC76)
YUV	159.9340, -20.6735, -89.3961
Hunter-Lab	72.9466, -53.0604, 30.1598

Details

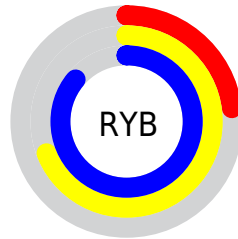
The CIELCh color **78, 73.730, 148.576** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **53, 72.645, 344.970**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 61.169, 151.161**, and **59, 69.563, 145.212** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.875, 146.651**, and if you desaturate by 10%, it is **79, 65.567, 150.307**.

Distribution



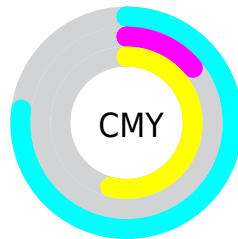
- Red (23%)
- Green (86%)
- Blue (46%)



- Red (23%)
- Yellow (69%)
- Blue (86%)



- Cyan (74%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)





- Cyan (77%)
- Magenta (14%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 73.730, 148.576 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 78, 73.730, 148.576 by changing the saturation by 10% instead.


 78, 73.730,
148.576


 78, 73.730,
148.576


 100, 73.730,
148.576


 68, 73.730,
148.576


 98, 73.730,
148.576

 58, 73.730,
148.576

 48, 73.730,
148.576

 38, 73.730,
148.576

 28, 73.730,
148.576

 18, 73.730,
148.576

 8, 73.730, 148.576

■ 0, 73.730, 148.576

■ 78, 73.730,
148.576

■ 78, 73.730,
148.576

■ 78, 80.875,
146.651

■ 79, 65.567,
150.307

■ 77, 86.952,
144.570

■ 80, 56.505,
151.838

■ 77, 90.264,
143.282

■ 81, 46.718,
153.177

■ 82, 36.399,
154.347

■ 83, 25.743,
155.370

■ 85, 14.924,
156.274

■ 87, 4.090, 157.130

■ 89, 6.642, 337.675

■ 91, 17.114,
338.100

Harmonies

Complementary

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



78, 73.730, 148.576



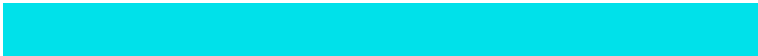
53, 72.645, 344.970

Rectangle

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



78, 73.730, 148.576



78, 73.730, 198.576



78, 73.730, 328.576



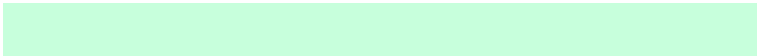
78, 73.730, 18.576

Sweetspot

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



78, 73.731, 148.576



95, 26.858, 155.524



81, 80.406, 121.270



50, 18.037, 155.262



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 73.731, 148.576



88, 94.694, 145.429



80, 45.623, 181.506



45, 6.120, 156.642



62, 75.029, 143.651



15, 27.256, 148.350

Inverse Universe

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



53, 72.645, 344.970



57, 87.663, 348.153



50, 68.253, 22.575



43, 6.164, 337.966



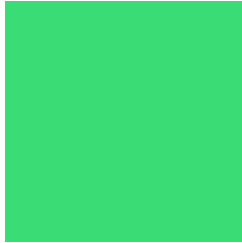
38, 66.413, 350.313



6, 26.788, 345.550

Previews

White Background



This preview shows how the CIELCh color 78, 73.730, 148.576 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 78, 73.730, 148.576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

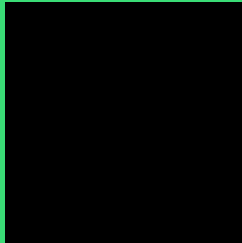
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 73.730, 148.576

Background



This preview shows how black text looks on a background with the CIELCh color 78, 73.730, 148.576.

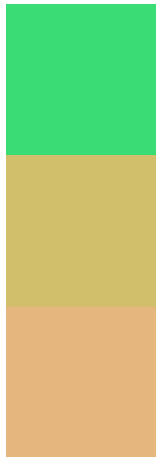


This preview shows how white text looks on a background with the CIELCh color 78, 73.730, 148.576.

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

78, 73.730, 148.576

Protanopia

77, 44.731, 95.572

Deuteranopia

77, 36.011, 74.665

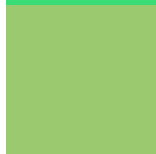


Tritanopia
78, 32.097, 212.976

Trichromacy



Original Color
78, 73.730, 148.576



Protanomaly
76, 50.369, 127.379



Deuteranomaly
76, 39.681, 123.756



Tritanomaly
78, 41.951, 176.125

Monochromacy



Original Color
78, 73.730, 148.576



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 29.946, 154.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 73.730, 148.576 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(58, 220, 118)` looks like.

```
.text, #text, p{  
    color:rgb(58, 220, 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(58, 220, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 220, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 73.730, 148.576 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(58, 220, 118) }
```

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

```
.border{ border-color:rgb(58, 220, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 220, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 220, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 220, 118);  
box-shadow:4px 4px 4px 4px rgb(58, 220,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 73.730, 148.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 220, 118) }
```

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

```
.background{ background-color: rgb(58, 220,  
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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