

Converting Colors

CIELCh(77, 67.509, 148.644)

Have a look what the booklet for
CIELCh(77, 67.509, 148.644)
contains.

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Color

CIELCh(77, 67.499, 148.690)

Conversions

Conversions Part 1

Format	Color
Hex	4BD77A
RGB	75, 215, 122
RGB Percent	29%, 84%, 48%
CMY	0.7056, 0.1566, 0.5214
CMYK	0.65, 0.00, 0.43, 0.16
HSL	140°, 64%, 57%
HSV	140°, 65%, 84%
XYZ	30.7358, 51.5317, 26.7539
YIQ	162.5380, -53.5870, -58.6030

Conversions

Conversions Part 2

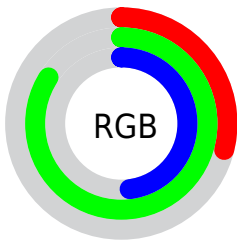
Format	Color
RYB	75, 180, 215
Decimal	4970362
CIELab	77.00, -57.67, 35.08
CIELCh	77, 67.499, 148.690
Yxy	51.5317, 0.2819, 0.4727
Android (android.graphics.Color)	4283160442 (0xFF4BD77A)
YUV	162.5380, -19.9852, -76.7708
Hunter-Lab	71.7856, -49.1982, 28.1530

Details

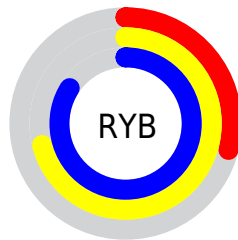
The CIELCh color **77, 67.499, 148.690** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **54, 67.264, 341.631**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 57.517, 150.646**, and **57, 65.178, 147.178** is the 20% darker color. If you saturate the color by 10%, you get **76, 75.659, 146.964**, and if you desaturate by 10%, it is **78, 58.406, 150.222**.

Distribution



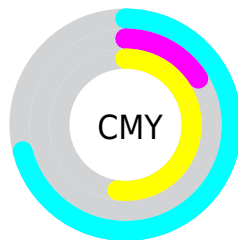
- Red (29%)
- Green (84%)
- Blue (48%)



- Red (29%)
- Yellow (71%)
- Blue (84%)



- Cyan (65%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)




- Cyan (71%)
- Magenta (16%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 67.499, 148.690 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, 67.499, 148.690 by changing the saturation by 10% instead.

 77, 67.499,
148.690

 77, 67.499,
148.690

 100, 67.499,
148.690

 67, 67.499,
148.690

 97, 67.499,
148.690

 57, 67.499,
148.690

 47, 67.499,
148.690

 37, 67.499,
148.690

 27, 67.499,
148.690

 17, 67.499,
148.690

 7, 67.499, 148.690

■ 0, 67.499, 148.690

■ 77, 67.499,
148.690

■ 77, 67.499,
148.690

■ 76, 75.659,
146.964

■ 78, 58.406,
150.222

■ 76, 82.752,
145.061

■ 79, 48.558,
151.564

■ 76, 88.719,
143.032

■ 80, 38.157,
152.734

■ 76, 91.306,
142.065

■ 82, 27.404,
153.754

■ 83, 16.479,
154.649

■ 85, 5.536, 155.469

■ 87, 5.307, 336.018

■ 89, 15.959,
336.673

■ 90, 23.224,
328.461

Harmonies

Complementary

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



77, 67.499, 148.690



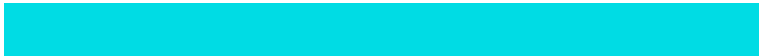
54, 67.264, 341.631

Rectangle

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



77, 67.499, 148.690



77, 67.499, 198.690



77, 67.499, 328.690



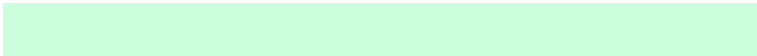
77, 67.499, 18.690

Sweetspot

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



77, 67.500, 148.690



96, 25.087, 154.206



80, 71.222, 119.897



51, 17.114, 153.948



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, 67.500, 148.690



89, 89.139, 146.286



78, 42.857, 179.344



44, 6.163, 155.115



61, 76.302, 142.417



14, 26.758, 147.790

Inverse Universe

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



54, 67.264, 341.631



60, 85.718, 343.591



52, 58.921, 16.870



42, 6.200, 336.393



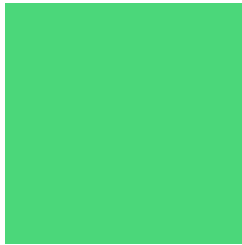
38, 66.986, 347.445



6, 25.827, 343.198

Previews

White Background



This preview shows how the CIELCh color 77, 67.499, 148.690 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, 67.499, 148.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

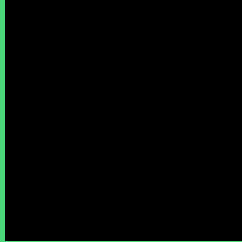
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 67.499, 148.690

Background



This preview shows how black text looks on a background with the CIELCh color 77, 67.499, 148.690.

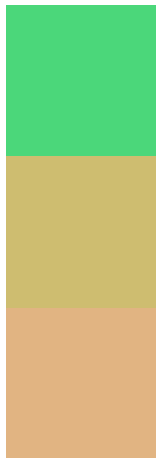


This preview shows how white text looks on a background with the CIELCh color 77, 67.499, 148.690.

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](#).

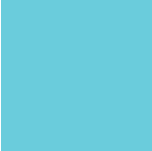
Dichromacy



Original Color
77, 67.499, 148.690

Protanopia
76, 41.189, 96.223

Deuteranopia
76, 33.154, 72.765



Tritanopia
77, 29.668, 214.484

Trichromacy



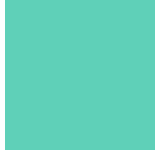
Original Color
77, 67.499, 148.690



Protanomaly
75, 45.883, 126.699



Deuteranomaly
75, 36.123, 121.773



Tritanomaly
77, 38.036, 176.721

Monochromacy



Original Color
77, 67.499, 148.690



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 26.746, 153.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 67.499, 148.690 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(75, 215, 122)` looks like.

```
.text, #text, p{  
    color:rgb(75, 215, 122)  
}
```

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(75, 215, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 215, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 67.499, 148.690 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(75, 215, 122) }
```

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

```
.border{ border-color:rgb(75, 215, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 215, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 215, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 215, 122);  
box-shadow:4px 4px 4px 4px rgb(75, 215,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 67.499, 148.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 215, 122) }
```

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

```
.background{ background-color: rgb(75, 215,  
122) }
```

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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