

Converting Colors

CIELCh(76, 63.093, 117.316)

Have a look what the booklet for
CIELCh(76, 63.093, 117.316)
contains.

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Color

CIELCh(76, 63.226, 117.191)

Conversions

Conversions Part 1

Format	Color
Hex	A7C84D
RGB	167, 200, 77
RGB Percent	65%, 78%, 30%
CMY	0.3463, 0.2168, 0.6991
CMYK	0.17, 0.00, 0.62, 0.22
HSL	76°, 53%, 54%
HSV	76°, 62%, 78%
XYZ	37.7892, 49.8872, 14.6063
YIQ	176.1110, 19.8150, -45.2490

Conversions

Conversions Part 2

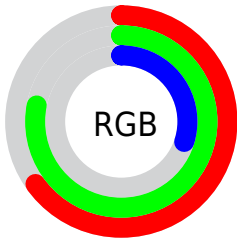
Format	Color
RYB	77, 200, 110
Decimal	10995789
CIELab	76.00, -28.89, 56.24
CIElCh	76, 63.226, 117.191
Yxy	49.8872, 0.3695, 0.4877
Android (android.graphics.Color)	4289185869 (0xFFA7C84D)
YUV	176.1110, -48.8617, -7.9903
Hunter-Lab	70.6309, -28.1023, 37.1806

Details

The CIELCh color **76, 63.226, 117.191** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **42, 73.471, 305.849**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 62.202, 116.905**, and **56, 63.149, 117.157** is the 20% darker color. If you saturate the color by 10%, you get **76, 71.238, 117.006**, and if you desaturate by 10%, it is **77, 54.085, 117.585**.

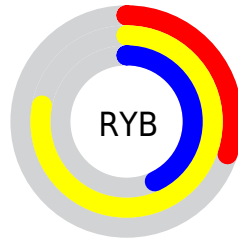
Distribution



Red (65%)

Green (78%)

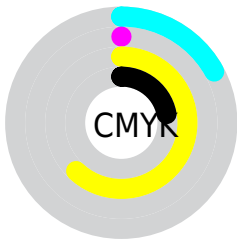
Blue (30%)



Red (30%)

Yellow (78%)

Blue (43%)

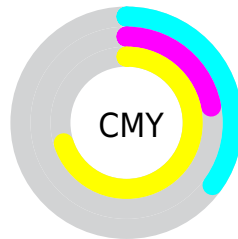


Cyan (17%)

Magenta (0%)

Yellow (62%)

Black (22%)



Cyan (35%)


Magenta (22%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 63.226, 117.191 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 76, 63.226, 117.191 by changing the saturation by 10% instead.


 76, 63.226,
117.191


 76, 63.226,
117.191


 100, 63.226,
117.191


 66, 63.226,
117.191


 96, 63.226,
117.191

 56, 63.226,
117.191

 46, 63.226,
117.191

 36, 63.226,
117.191

 26, 63.226,
117.191

 16, 63.226,
117.191

 6, 63.226, 117.191

0, 63.226, 117.191

76, 63.226,
117.191

76, 63.226,
117.191

76, 71.238,
117.006

77, 54.085,
117.585

75, 77.638,
117.128

77, 44.205,
118.103

75, 81.999,
117.658

78, 33.868,
118.688

74, 84.273,
118.386

79, 23.261,
119.301

79, 12.511,
119.917

80, 1.704, 120.536

■ 81, 9.103, 301.086

■ 82, 19.866,
301.633

■ 83, 29.799,
302.357

Harmonies

Complementary

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



76, 63.226, 117.191



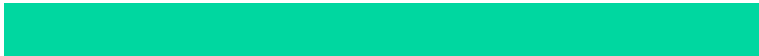
42, 73.471, 305.849

Rectangle

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



76, 63.226, 117.191



76, 63.226, 167.191



76, 63.226, 297.191



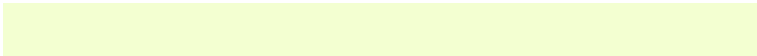
76, 63.226, 347.191

Sweetspot

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



76, 63.227, 117.193



98, 23.679, 119.507



56, 47.106, 45.988



52, 16.439, 119.324



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 63.227, 117.193



94, 88.565, 117.008



73, 72.282, 134.358



42, 6.105, 120.052



62, 72.464, 118.189



12, 21.153, 121.179

Inverse Universe

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



42, 73.471, 305.849



46, 107.466, 307.102



50, 74.209, 320.196



39, 6.223, 301.191



21, 93.377, 308.018



2, 21.759, 298.777

Previews

White Background



This preview shows how the CIELCh color 76, 63.226, 117.191 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 76, 63.226, 117.191 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 76, 63.226, 117.191

Background



This preview shows how black text looks on a background with the CIELCh color 76, 63.226, 117.191.

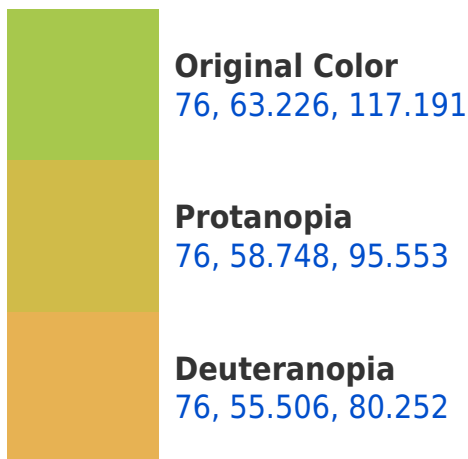


This preview shows how white text looks on a background with the CIELCh color 76, 63.226, 117.191.

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





Tritanopia
76, 8.317, 276.097

Trichromacy



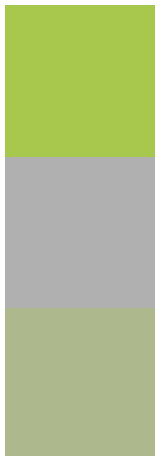
Original Color
76, 63.226, 117.191

Protanomaly
76, 59.530, 104.130

Deuteranomaly
76, 54.959, 94.856

Tritanomaly
76, 20.244, 126.222

Monochromacy



Original Color
76, 63.226, 117.191

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 24.600, 119.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 63.226, 117.191 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(167, 200, 77)` looks like.

```
.text, #text, p{  
    color:rgb(167, 200, 77)  
}
```

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(167, 200, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 200, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 63.226, 117.191 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(167, 200, 77) }
```

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

```
.border{ border-color:rgb(167, 200, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 200, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 200, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 200, 77);  
box-shadow:4px 4px 4px 4px rgb(167, 200,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 63.226, 117.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 200, 77) }
```

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

```
.background{ background-color: rgb(167,  
200, 77) }
```

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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