

Converting Colors

CIELCh(78, 49.712, 126.238)

Have a look what the booklet for
CIELCh(78, 49.712, 126.238)
contains.

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Color

CIELCh(78, 49.747, 126.229)

Conversions

Conversions Part 1

Format	Color
Hex	A3CE74
RGB	163, 206, 116
RGB Percent	64%, 81%, 45%
CMY	0.3606, 0.1920, 0.5450
CMYK	0.21, 0.00, 0.44, 0.19
HSL	89°, 48%, 63%
HSV	89°, 44%, 81%
XYZ	40.3459, 53.2120, 24.6779
YIQ	182.8830, 3.2620, -37.1060

Conversions

Conversions Part 2

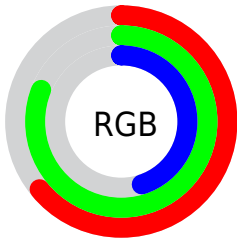
Format	Color
RYB	116, 206, 159
Decimal	10735220
CIELab	78.00, -29.40, 40.13
CIELCh	78, 49.747, 126.229
Yxy	53.2120, 0.3412, 0.4500
Android (android.graphics.Color)	4288925300 (0xFFA3CE74)
YUV	182.8830, -32.9733, -17.4374
Hunter-Lab	72.9466, -28.9303, 31.0047

Details

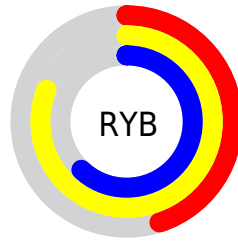
The CIELCh color **78, 49.747, 126.229** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **56, 53.200, 310.568**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 45.346, 124.481**, and **58, 50.250, 126.346** is the 20% darker color. If you saturate the color by 10%, you get **77, 60.351, 125.830**, and if you desaturate by 10%, it is **79, 38.650, 126.699**.

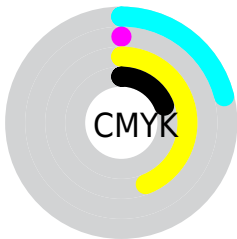
Distribution



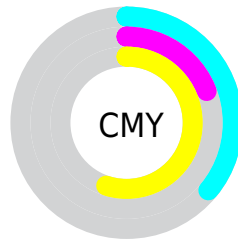
- Red (64%)
- Green (81%)
- Blue (45%)



- Red (45%)
- Yellow (81%)
- Blue (62%)



- Cyan (21%)
- Magenta (0%)
- Yellow (44%)
- Black (19%)



- Cyan (36%)
- Magenta (19%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 49.747, 126.229 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, 49.747, 126.229 by changing the saturation by 10% instead.

 78, 49.747,
126.229

 78, 49.747,
126.229

 100, 49.747,
126.229

 68, 49.747,
126.229

 98, 49.747,
126.229

 58, 49.747,
126.229

 48, 49.747,
126.229

 38, 49.747,
126.229

 28, 49.747,
126.229

 18, 49.747,
126.229

 8, 49.747, 126.229

■ 0, 49.747, 126.229

■ 78, 49.747,
126.229

■ 78, 49.747,
126.229

■ 77, 60.351,
125.830

■ 79, 38.650,
126.699

■ 76, 70.145,
125.568

■ 80, 27.272,
127.189

■ 76, 78.705,
125.548

■ 81, 15.764,
127.675

■ 75, 85.533,
125.895

■ 82, 4.229, 128.154

■ 75, 90.233,
126.719

■ 84, 7.258, 308.541

■ 74, 92.333,
127.412

■ 85, 18.648,
308.944

■ 86, 27.298,

310.958

■ 87, 28.529,
317.507

■ 88, 30.095,
323.555

Harmonies

Complementary

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



78, 49.747, 126.229



56, 53.200, 310.568

Rectangle

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



78, 49.747, 126.229



78, 49.747, 176.229



78, 49.747, 306.229



78, 49.747, 356.229

Sweetspot

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



78, 49.748, 126.230



98, 17.805, 127.700



69, 31.384, 66.567



52, 12.461, 127.592



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, 49.748, 126.230



93, 69.616, 125.866



76, 57.470, 140.330



42, 6.478, 127.879



61, 78.353, 127.157



13, 24.344, 129.619

Inverse Universe

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



56, 53.200, 310.568



63, 75.636, 311.066



61, 57.455, 325.760



40, 6.571, 308.708



25, 90.738, 311.496



2, 24.441, 305.826

Previews

White Background



This preview shows how the CIELCh color 78, 49.747, 126.229 looks on a white background.

Color Contrast Check

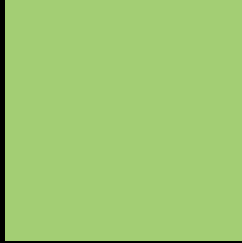
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 49.747, 126.229 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, 49.747, 126.229

Background



This preview shows how black text looks on a background with the CIELCh color 78, 49.747, 126.229.



This preview shows how white text looks on a background with the CIELCh color 78, 49.747, 126.229.

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, 49.747, 126.229

Protanopia
78, 43.233, 95.416

Deuteranopia
78, 39.661, 75.968



Tritanopia
78, 10.659, 252.874

Trichromacy



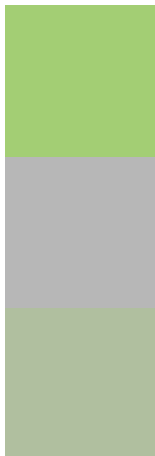
Original Color
78, 49.747, 126.229

Protanomaly
78, 43.738, 107.755

Deuteranomaly
77, 38.941, 97.241

Tritanomaly
78, 16.188, 148.879

Monochromacy



Original Color
78, 49.747, 126.229

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 18.113, 127.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 49.747, 126.229 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(163, 206, 116)` looks like.

```
.text, #text, p{  
    color:rgb(163, 206, 116)  
}
```

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(163, 206, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 206, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 49.747, 126.229 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(163, 206, 116) }
```

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

```
.border{ border-color:rgb(163, 206, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 206, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 206, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 206, 116); box-shadow:4px 4px 4px 4px rgb(163, 206, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 49.747, 126.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 206, 116) }
```

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

```
.background{ background-color: rgb(163,  
206, 116) }
```

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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