

Converting Colors

CIELCh(76, 51.349, 122.501)

Have a look what the booklet for
CIELCh(76, 51.349, 122.501)
contains.

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Color

CIELCh(76, 51.444, 122.735)

Conversions

Conversions Part 1

Format	Color
Hex	A3C869
RGB	163, 200, 105
RGB Percent	64%, 78%, 41%
CMY	0.3623, 0.2172, 0.5896
CMYK	0.19, 0.00, 0.48, 0.22
HSL	83°, 46%, 60%
HSV	83°, 48%, 78%
XYZ	38.1211, 49.8872, 20.8876
YIQ	178.1070, 8.4430, -37.3890

Conversions

Conversions Part 2

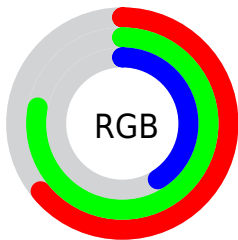
Format	Color
RYB	105, 200, 142
Decimal	10733673
CIELab	76.00, -27.82, 43.27
CIELCh	76, 51.444, 122.735
Yxy	49.8872, 0.3501, 0.4581
Android (android.graphics.Color)	4288923753 (0xFFA3C869)
YUV	178.1070, -36.0418, -13.2488
Hunter-Lab	70.6309, -27.2637, 31.9078

Details

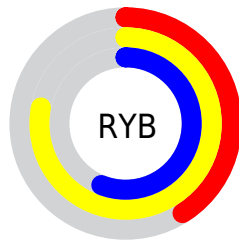
The CIELCh color **76, 51.444, 122.735** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 56.245, 308.066**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 50.446, 122.434**, and **56, 51.656, 122.761** is the 20% darker color. If you saturate the color by 10%, you get **75, 61.246, 122.368**, and if you desaturate by 10%, it is **77, 41.051, 123.204**.

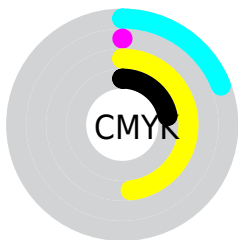
Distribution



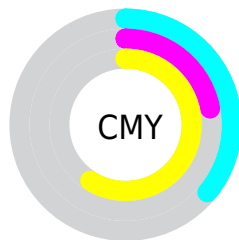
- Red (64%)
- Green (78%)
- Blue (41%)



- Red (41%)
- Yellow (78%)
- Blue (56%)



- Cyan (19%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)





- Cyan (36%)
- Magenta (22%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 51.444, 122.735 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, 51.444, 122.735 by changing the saturation by 10% instead.


 76, 51.444,
122.735


 76, 51.444,
122.735


 100, 51.444,
122.735


 66, 51.444,
122.735


 96, 51.444,
122.735

 56, 51.444,
122.735

 46, 51.444,
122.735

 36, 51.444,
122.735

 26, 51.444,
122.735

 16, 51.444,
122.735

 6, 51.444, 122.735

0, 51.444, 122.735

76, 51.444,
122.735

76, 51.444,
122.735

75, 61.246,
122.368

77, 41.051,
123.204

75, 70.113,
122.178

78, 30.304,
123.717

74, 77.595,
122.274

79, 19.365,
124.241

74, 83.222,
122.778

80, 8.347, 124.759

73, 86.798,
123.749

81, 2.676, 305.208

73, 87.532,
124.002

82, 13.647,
305.691

83, 24.529,

306.119

■ 84, 30.582,
308.585

■ 85, 31.384,
313.291

Harmonies

Complementary

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



76, 51.444, 122.735



52, 56.245, 308.066

Rectangle

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



76, 51.444, 122.735



76, 51.444, 172.735



76, 51.444, 302.735



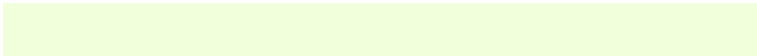
76, 51.444, 352.735

Sweetspot

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



76, 51.445, 122.737



98, 18.819, 124.417



64, 33.469, 57.558



52, 12.991, 124.303



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, 51.445, 122.737



94, 73.927, 122.361



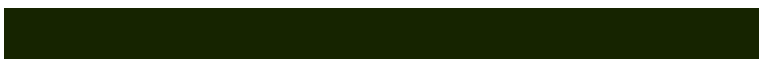
73, 59.226, 138.118



42, 6.229, 124.666



61, 75.237, 123.766



12, 21.984, 126.947

Inverse Universe

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



52, 56.245, 308.066



58, 82.752, 308.785



57, 59.688, 323.400



39, 6.333, 305.594



23, 91.349, 309.782



2, 22.003, 302.195

Previews

White Background



This preview shows how the CIELCh color 76, 51.444, 122.735 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 76, 51.444, 122.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

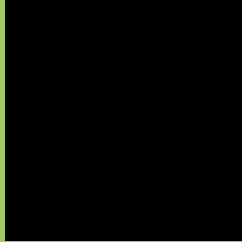
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 51.444, 122.735

Background



This preview shows how black text looks on a background with the CIELCh color 76, 51.444, 122.735.

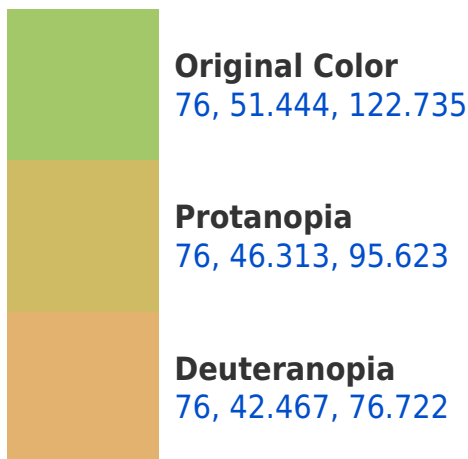


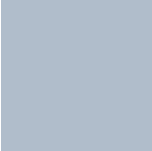
This preview shows how white text looks on a background with the CIELCh color 76, 51.444, 122.735.

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, 8.724, 259.242

Trichromacy



Original Color
76, 51.444, 122.735

Protanomaly
76, 46.803, 106.780

Deuteranomaly
75, 41.867, 95.630

Tritanomaly
76, 16.300, 139.518

Monochromacy



Original Color
76, 51.444, 122.735

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 19.611, 124.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 51.444, 122.735 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, 200, 105)` looks like.

```
.text, #text, p{  
    color:rgb(163, 200, 105)  
}
```

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, 200, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 200, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 51.444, 122.735 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, 200, 105) }
```

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

```
.border{ border-color:rgb(163, 200, 105) }
```

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

Here you see how a box with a 4 pixel rgb(163, 200, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 200, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 200, 105);  
box-shadow:4px 4px 4px 4px rgb(163, 200,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 51.444, 122.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 200, 105) }
```

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

```
.background{ background-color: rgb(163,  
200, 105) }
```

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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