

Converting Colors

CIELCh(76, 54.214, 119.980)

Have a look what the booklet for
CIELCh(76, 54.214, 119.980)
contains.

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Color

CIELCh(76, 54.193, 119.923)

Conversions

Conversions Part 1

Format	Color
Hex	A6C761
RGB	166, 199, 97
RGB Percent	65%, 78%, 38%
CMY	0.3485, 0.2191, 0.6192
CMYK	0.17, 0.00, 0.51, 0.22
HSL	79°, 48%, 58%
HSV	79°, 51%, 78%
XYZ	38.3651, 49.8872, 18.9438
YIQ	177.5050, 13.0740, -38.7180

Conversions

Conversions Part 2

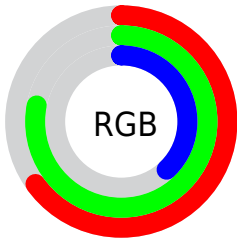
Format	Color
R_{YB}	97, 199, 130
Decimal	10930017
CIE _{Lab}	76.00, -27.03, 46.97
CIE _{LCh}	76, 54.193, 119.923
Yxy	49.8872, 0.3579, 0.4654
Android (android.graphics.Color)	4289120097 (0xFFA6C761)
YUV	177.5050, -39.6890, -10.0899
Hunter-Lab	70.6309, -26.6469, 33.5395

Details

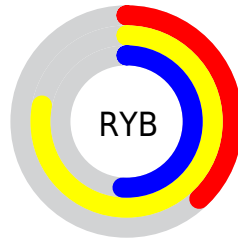
The CIELCh color **76, 54.193, 119.923** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **49, 60.461, 306.378**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 53.715, 119.604**, and **56, 53.988, 119.880** is the 20% darker color. If you saturate the color by 10%, you get **75, 63.490, 119.574**, and if you desaturate by 10%, it is **77, 44.185, 120.400**.

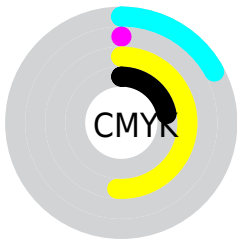
Distribution



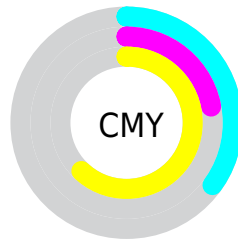
- Red (65%)
- Green (78%)
- Blue (38%)



- Red (38%)
- Yellow (78%)
- Blue (51%)



- Cyan (17%)
- Magenta (0%)
- Yellow (51%)
- Black (22%)





- Cyan (35%)
- Magenta (22%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 54.193, 119.923 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, 54.193, 119.923 by changing the saturation by 10% instead.


 76, 54.193,
119.923


 76, 54.193,
119.923


 100, 54.193,
119.923


 66, 54.193,
119.923


 96, 54.193,
119.923

 56, 54.193,
119.923

 46, 54.193,
119.923

 36, 54.193,
119.923

 26, 54.193,
119.923

 16, 54.193,
119.923

 6, 54.193, 119.923

0, 54.193, 119.923

76, 54.193,
119.923

76, 54.193,
119.923

75, 63.490,
119.574

77, 44.185,
120.400

75, 71.689,
119.434

77, 33.736,
120.941

74, 78.315,
119.614

78, 23.034,
121.507

74, 82.937,
120.223

79, 12.202,
122.074

74, 85.508,
121.074

80, 1.327, 122.660

81, 9.533, 303.133

82, 20.335,

303.627

■ 83, 30.320,
304.338

■ 84, 30.820,
308.315

Harmonies

Complementary

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



76, 54.193, 119.923



49, 60.461, 306.378

Rectangle

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



76, 54.193, 119.923



76, 54.193, 169.923



76, 54.193, 299.923



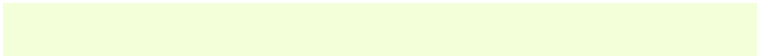
76, 54.193, 349.923

Sweetspot

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



76, 54.194, 119.925



98, 19.919, 121.848



61, 36.910, 50.649



52, 13.585, 121.727



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, 54.194, 119.925



94, 77.190, 119.557



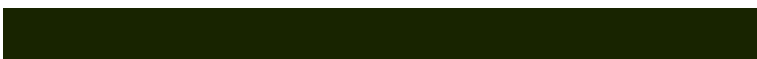
73, 62.076, 136.241



42, 6.156, 122.178



61, 73.663, 120.857



12, 21.506, 123.909

Inverse Universe

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



49, 60.461, 306.378



55, 88.670, 307.290



55, 63.130, 321.475



39, 6.269, 303.210



22, 92.506, 308.734



2, 21.854, 300.243

Previews

White Background



This preview shows how the CIELCh color 76, 54.193, 119.923 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, 54.193, 119.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

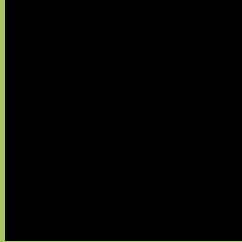
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 54.193, 119.923

Background



This preview shows how black text looks on a background with the CIELCh color 76, 54.193, 119.923.

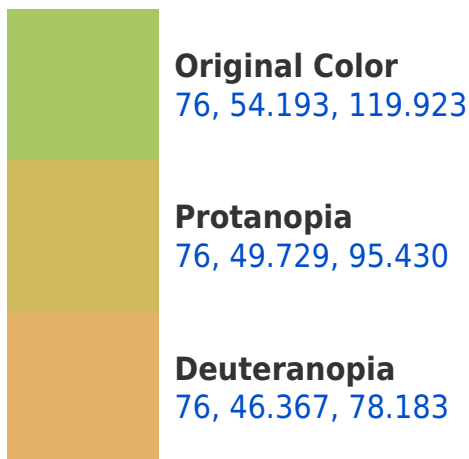


This preview shows how white text looks on a background with the CIELCh color 76, 54.193, 119.923.

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, 8.122, 267.777

Trichromacy



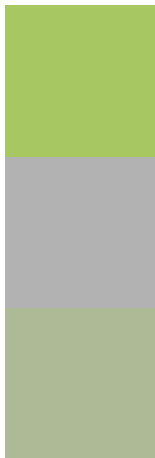
Original Color
76, 54.193, 119.923

Protanomaly
76, 50.167, 104.918

Deuteranomaly
75, 45.863, 95.544

Tritanomaly
76, 16.547, 133.280

Monochromacy



Original Color
76, 54.193, 119.923

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 20.429, 121.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 54.193, 119.923 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(166, 199, 97)` looks like.

```
.text, #text, p{  
    color:rgb(166, 199, 97)  
}
```

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(166, 199, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 199, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 54.193, 119.923 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(166, 199, 97) }
```

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

```
.border{ border-color:rgb(166, 199, 97) }
```

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

Here you see how a box with a 4 pixel rgb(166, 199, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 199, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 199, 97);  
box-shadow:4px 4px 4px 4px rgb(166, 199,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 54.193, 119.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 199, 97) }
```

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

```
.background{ background-color: rgb(166,  
199, 97) }
```

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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