

Converting Colors

CIELCh(76, 44.588, 122.039)

Have a look what the booklet for
CIELCh(76, 44.588, 122.039)
contains.

CIELCh(76, 44.560, 122.087)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 44.560, 122.087)

Conversions

Conversions Part 1

Format	Color
Hex	A8C674
RGB	168, 198, 116
RGB Percent	66%, 78%, 45%
CMY	0.3417, 0.2241, 0.5456
CMYK	0.15, 0.00, 0.41, 0.22
HSL	82°, 42%, 62%
HSV	82°, 41%, 78%
XYZ	39.4221, 49.8872, 24.0325
YIQ	179.6820, 8.4420, -31.8620

Conversions

Conversions Part 2

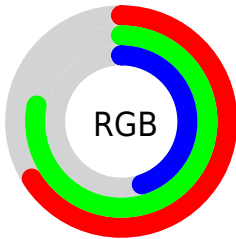
Format	Color
RYB	116, 198, 146
Decimal	11060852
CIELab	76.00, -23.67, 37.75
CIELCh	76, 44.560, 122.087
Yxy	49.8872, 0.3478, 0.4401
Android (android.graphics.Color)	4289250932 (0xFFA8C674)
YUV	179.6820, -31.3952, -10.2451
Hunter-Lab	70.6309, -23.9757, 29.2679

Details

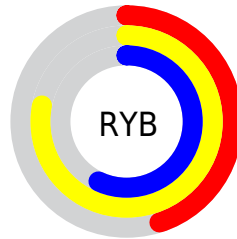
The CIELCh color **76, 44.560, 122.087** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **55, 48.221, 306.877**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 44.773, 122.240**, and **56, 44.480, 122.330** is the 20% darker color. If you saturate the color by 10%, you get **75, 54.621, 121.641**, and if you desaturate by 10%, it is **77, 34.067, 122.601**.

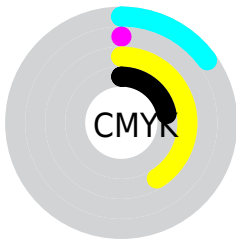
Distribution



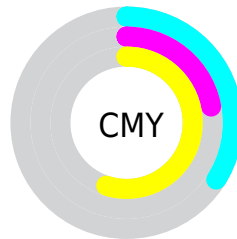
- Red (66%)
- Green (78%)
- Blue (45%)



- Red (45%)
- Yellow (78%)
- Blue (57%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)



- Cyan (34%)
- Magenta (22%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 44.560, 122.087 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, 44.560, 122.087 by changing the saturation by 10% instead.

 76, 44.560,
122.087

 76, 44.560,
122.087


 100, 44.560,
122.087

 66, 44.560,
122.087


 96, 44.560,
122.087

 56, 44.560,
122.087

 46, 44.560,
122.087

 36, 44.560,
122.087

 26, 44.560,
122.087

 16, 44.560,
122.087

 6, 44.560, 122.087

0, 44.560, 122.087

76, 44.560,
122.087

76, 44.560,
122.087

75, 54.621,
121.641

77, 34.067,
122.601

75, 63.973,
121.320

78, 23.324,
123.137

74, 72.233,
121.214

79, 12.459,
123.673

74, 78.931,
121.438

80, 1.559, 124.228

73, 83.642,
122.104

81, 9.316, 304.662

82, 20.122,
305.122

73, 86.270,
122.982

83, 30.828,

305.545

■ 84, 31.760,
309.752

■ 84, 32.535,
313.964

Harmonies

Complementary

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



76, 44.560, 122.087



55, 48.221, 306.877

Rectangle

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



76, 44.560, 122.087



76, 44.560, 172.087



76, 44.560, 302.087



76, 44.560, 352.087

Sweetspot

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



76, 44.561, 122.089



98, 16.058, 123.634



64, 28.435, 54.529



52, 10.651, 123.563



0, 0.000, 0.000



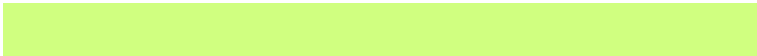
53, 0.007, 296.813

Same Dimension

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



76, 44.561, 122.089



95, 65.304, 121.669



74, 51.040, 137.791



42, 6.202, 123.782



61, 74.659, 122.760



12, 21.807, 125.888

Inverse Universe

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



55, 48.221, 306.877



63, 72.219, 307.584



59, 51.638, 322.143



39, 6.308, 304.744



22, 91.775, 309.382



2, 21.945, 301.470

Previews

White Background



This preview shows how the CIELCh color 76, 44.560, 122.087 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, 44.560, 122.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

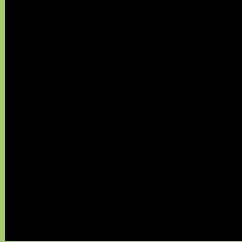
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 44.560, 122.087

Background



This preview shows how black text looks on a background with the CIELCh color 76, 44.560, 122.087.

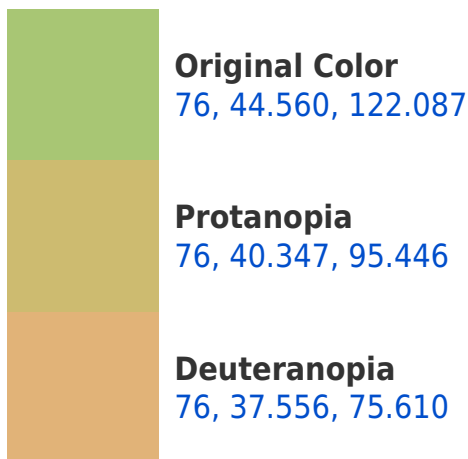


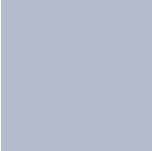
This preview shows how white text looks on a background with the CIELCh color 76, 44.560, 122.087.

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, 8.501, 271.485

Trichromacy



Original Color
76, 44.560, 122.087

Protanomaly
76, 40.925, 106.287

Deuteranomaly
76, 36.876, 94.815

Tritanomaly
76, 12.826, 137.185

Monochromacy



Original Color
76, 44.560, 122.087

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 16.083, 122.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 44.560, 122.087 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(168, 198, 116)` looks like.

```
.text, #text, p{  
    color:rgb(168, 198, 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(168, 198, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 198, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 44.560, 122.087 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(168, 198, 116) }
```

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

```
.border{ border-color:rgb(168, 198, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 198, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 198, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 198, 116);  
box-shadow:4px 4px 4px 4px rgb(168, 198,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 44.560, 122.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 198, 116) }
```

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

```
.background{ background-color: rgb(168,  
198, 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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