

Converting Colors

CIELCh(76, 59.736, 122.200)

Have a look what the booklet for
CIELCh(76, 59.736, 122.200)
contains.

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Color

CIELCh(76, 59.736, 122.200)

Conversions

Conversions Part 1

Format	Color
Hex	9EC959
RGB	158, 201, 89
RGB Percent	62%, 79%, 35%
CMY	0.3796, 0.2109, 0.6502
CMYK	0.21, 0.00, 0.56, 0.21
HSL	83°, 51%, 57%
HSV	83°, 56%, 79%
XYZ	36.8898, 49.8872, 17.1797
YIQ	175.3750, 10.3240, -43.9480

Conversions

Conversions Part 2

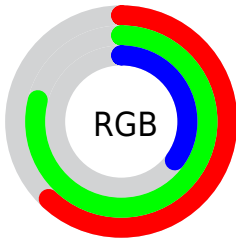
Format	Color
RYB	89, 201, 132
Decimal	10406233
CIELab	76.00, -31.83, 50.55
CIELCh	76, 59.736, 122.200
Yxy	49.8872, 0.3549, 0.4799
Android (android.graphics.Color)	4288596313 (0xFF9EC959)
YUV	175.3750, -42.5829, -15.2379
Hunter-Lab	70.6309, -30.3753, 35.0204

Details

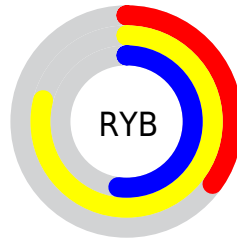
The CIELCh color **76, 59.736, 122.200** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **47, 66.617, 308.476**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 58.176, 121.444**, and **56, 59.738, 122.107** is the 20% darker color. If you saturate the color by 10%, you get **75, 68.852, 121.968**, and if you desaturate by 10%, it is **77, 49.754, 122.596**.

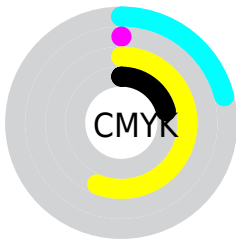
Distribution



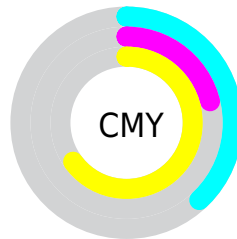
- Red (62%)
- Green (79%)
- Blue (35%)



- Red (35%)
- Yellow (79%)
- Blue (52%)



- Cyan (21%)
- Magenta (0%)
- Yellow (56%)
- Black (21%)





- Cyan (38%)
- Magenta (21%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 59.736, 122.200 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, 59.736, 122.200 by changing the saturation by 10% instead.


 76, 59.736,
122.200

 76, 59.736,
122.200


 100, 59.736,
122.200


 66, 59.736,
122.200


 96, 59.736,
122.200

 56, 59.736,
122.200

 46, 59.736,
122.200

 36, 59.736,
122.200

 26, 59.736,
122.200

 16, 59.736,
122.200

 6, 59.736, 122.200

0, 59.736, 122.200

76, 59.736,
122.200

76, 59.736,
122.200

75, 68.852,
121.968

77, 49.754,
122.596

75, 76.663,
121.999

78, 39.226,
123.079

74, 82.687,
122.415

78, 28.376,
123.599

74, 86.596,
123.311

79, 17.358,
124.127

74, 87.896,
123.772

80, 6.274, 124.647

82, 4.802, 305.106

83, 15.821,

305.574

■ 84, 26.745,
305.999

■ 85, 29.863,
309.836

Harmonies

Complementary

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



76, 59.736, 122.200



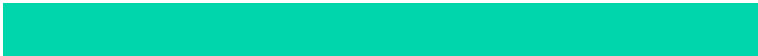
47, 66.617, 308.476

Rectangle

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



76, 59.736, 122.200



76, 59.736, 172.200



76, 59.736, 302.200



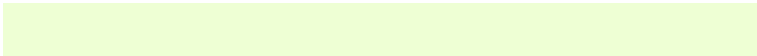
76, 59.736, 352.200

Sweetspot

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



76, 59.737, 122.201



98, 22.821, 124.044



61, 40.466, 56.929



52, 15.260, 123.937



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, 59.737, 122.201



93, 84.573, 121.948



73, 68.808, 137.441



42, 6.222, 124.455



61, 75.097, 123.528



12, 21.941, 126.695

Inverse Universe

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



47, 66.617, 308.476



52, 97.138, 309.275



54, 69.236, 323.678



39, 6.327, 305.390



23, 91.452, 309.683



2, 21.989, 302.018

Previews

White Background



This preview shows how the CIELCh color 76, 59.736, 122.200 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, 59.736, 122.200 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, 59.736, 122.200

Background



This preview shows how black text looks on a background with the CIELCh color 76, 59.736, 122.200.

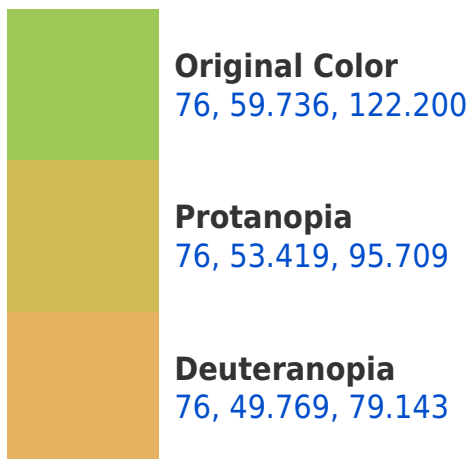



This preview shows how white text looks on a background with the CIELCh color 76, 59.736, 122.200.

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, 9.708, 255.734

Trichromacy



Original Color
76, 59.736, 122.200

Protanomaly
76, 53.851, 106.447

Deuteranomaly
75, 49.047, 96.857

Tritanomaly
75, 19.215, 138.238

Monochromacy



Original Color
76, 59.736, 122.200

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 22.823, 123.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 59.736, 122.200 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(158, 201, 89)` looks like.

```
.text, #text, p{  
    color:rgb(158, 201, 89)  
}
```

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(158, 201, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 201, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 59.736, 122.200 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(158, 201, 89) }
```

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

```
.border{ border-color:rgb(158, 201, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 201, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 201, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 201, 89);  
box-shadow:4px 4px 4px 4px rgb(158, 201,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 59.736, 122.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 201, 89) }
```

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

```
.background{ background-color: rgb(158,  
201, 89) }
```

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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