

Converting Colors

CIELCh(78, 79.827, 120.393)

Have a look what the booklet for
CIELCh(78, 79.827, 120.393)
contains.

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Color

CIELCh(78, 79.809, 120.374)

Conversions

Conversions Part 1

Format	Color
Hex	9AD22F
RGB	154, 210, 47
RGB Percent	60%, 82%, 18%
CMY	0.3958, 0.1762, 0.8153
CMYK	0.27, 0.00, 0.78, 0.18
HSL	81°, 64%, 50%
HSV	81°, 78%, 82%
XYZ	36.9195, 53.2120, 11.0235
YIQ	174.6740, 18.9470, -62.5650

Conversions

Conversions Part 2

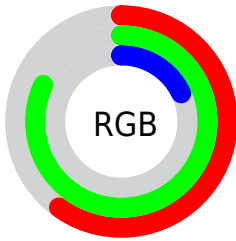
Format	Color
RYB	47, 210, 103
Decimal	10146351
CIELab	78.00, -40.35, 68.85
CIELCh	78, 79.809, 120.374
Yxy	53.2120, 0.3650, 0.5260
Android (android.graphics.Color)	4288336431 (0xFF9AD22F)
YUV	174.6740, -62.9433, -18.1311
Hunter-Lab	72.9466, -37.3146, 42.1029

Details

The CIELCh color **78, 79.809, 120.374** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle washed chartreuse. A complement of this color would be **37, 95.207, 308.840**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 73.857, 118.145**, and **58, 72.039, 123.050** is the 20% darker color. If you saturate the color by 10%, you get **78, 85.450, 120.855**, and if you desaturate by 10%, it is **79, 72.207, 120.299**.

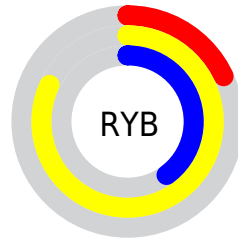
Distribution



Red (60%)

Green (82%)

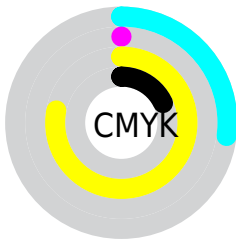
Blue (18%)



Red (18%)

Yellow (82%)

Blue (40%)

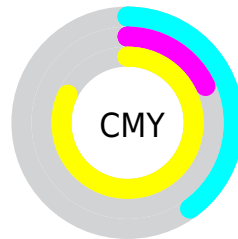


Cyan (27%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (40%)


Magenta (18%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 79.809, 120.374 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, 79.809, 120.374 by changing the saturation by 10% instead.


 78, 79.809,
120.374

 78, 79.809,
120.374

 100, 79.809,
120.374


 68, 79.809,
120.374


 98, 79.809,
120.374

 58, 79.809,
120.374

 48, 79.809,
120.374

 38, 79.809,
120.374

 28, 79.809,
120.374

 18, 79.809,
120.374

 8, 79.809, 120.374

■ 0, 79.809, 120.374

■ 78, 79.809,
120.374

■ 78, 79.809,
120.374

■ 78, 85.450,
120.855

■ 79, 72.207,
120.299

■ 77, 88.922,
121.801

■ 79, 63.136,
120.509

■ 77, 89.613,
122.052

■ 80, 53.072,
120.899

■ 81, 42.376,
121.391

■ 81, 31.301,
121.932

■ 82, 20.015,
122.487

■ 83, 8.634, 123.038

■ 84, 2.762, 303.530

■ 86, 14.119,
304.045

Harmonies

Complementary

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



78, 79.809, 120.374



37, 95.207, 308.840

Rectangle

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



78, 79.809, 120.374



78, 79.809, 170.374



78, 79.809, 300.374



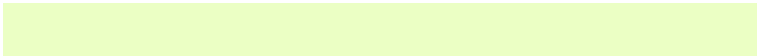
78, 79.809, 350.374

Sweetspot

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



78, 79.809, 120.375



97, 30.596, 122.172



55, 62.942, 51.204



52, 21.147, 121.969



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, 79.809, 120.375



92, 101.737, 121.420



75, 91.350, 135.023



44, 6.437, 122.938



63, 75.850, 121.812



14, 24.869, 123.230

Inverse Universe

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



37, 95.207, 308.840



38, 125.557, 309.024



48, 91.864, 322.429



41, 6.552, 303.943



23, 94.308, 309.007



2, 26.090, 302.098

Previews

White Background



This preview shows how the CIELCh color 78, 79.809, 120.374 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 78, 79.809, 120.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

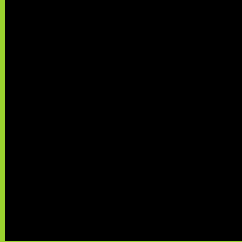
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 79.809, 120.374

Background



This preview shows how black text looks on a background with the CIELCh color 78, 79.809, 120.374.

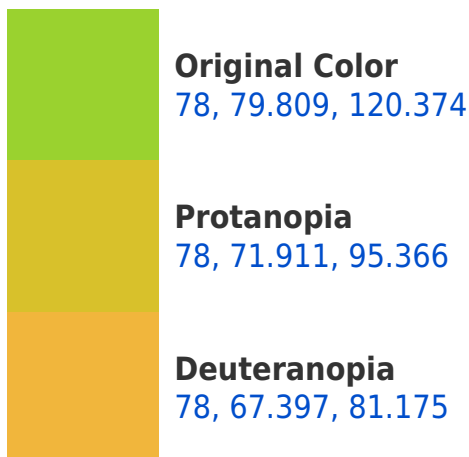


This preview shows how white text looks on a background with the CIELCh color 78, 79.809, 120.374.

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
78, 11.122, 245.454

Trichromacy



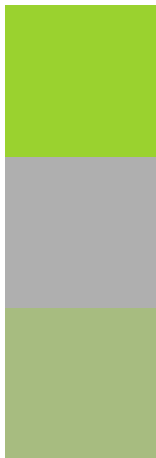
Original Color
78, 79.809, 120.374

Protanomaly
77, 72.953, 105.555

Deuteranomaly
77, 67.361, 97.480

Tritanomaly
77, 29.820, 134.580

Monochromacy



Original Color
78, 79.809, 120.374

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 33.059, 121.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 79.809, 120.374 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(154, 210, 47)` looks like.

```
.text, #text, p{  
    color:rgb(154, 210, 47)  
}
```

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(154, 210, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 210, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 79.809, 120.374 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(154, 210, 47) }
```

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

```
.border{ border-color:rgb(154, 210, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 210, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 210, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 210, 47);  
box-shadow:4px 4px 4px 4px rgb(154, 210,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 79.809, 120.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 210, 47) }
```

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

```
.background{ background-color: rgb(154,  
210, 47) }
```

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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