

Converting Colors

CIELCh(79, 49.790, 123.368)

Have a look what the booklet for
CIELCh(79, 49.790, 123.368)
contains.

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Color

CIELCh(79, 49.790, 123.368)

Conversions

Conversions Part 1

Format	Color
Hex	ABD074
RGB	171, 208, 116
RGB Percent	67%, 82%, 45%
CMY	0.3301, 0.1849, 0.5457
CMYK	0.18, 0.00, 0.44, 0.18
HSL	84°, 49%, 63%
HSV	84°, 44%, 82%
XYZ	42.4181, 54.9284, 24.8427
YIQ	186.4490, 7.4800, -36.4560

Conversions

Conversions Part 2

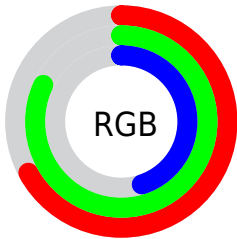
Format	Color
RYB	116, 208, 153
Decimal	11260020
CIELab	79.00, -27.39, 41.58
CIELCh	79, 49.790, 123.368
Yxy	54.9284, 0.3472, 0.4495
Android (android.graphics.Color)	4289450100 (0xFFABD074)
YUV	186.4490, -34.7314, -13.5488
Hunter-Lab	74.1137, -27.5366, 32.0058

Details

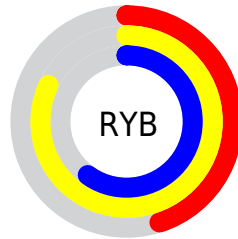
The CIELCh color $79, 49.790, 123.368$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $56, 53.947, 308.232$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 44.367, 120.390$, and $59, 49.613, 123.166$ is the 20% darker color. If you saturate the color by 10%, you get $78, 60.187, 122.965$, and if you desaturate by 10%, it is $80, 38.874, 123.852$.

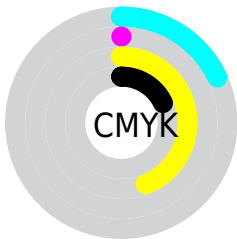
Distribution



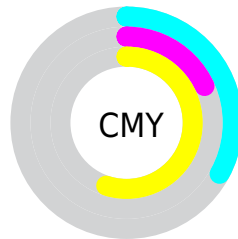
- Red (67%)
- Green (82%)
- Blue (45%)



- Red (45%)
- Yellow (82%)
- Blue (60%)



- Cyan (18%)
- Magenta (0%)
- Yellow (44%)
- Black (18%)



- Cyan (33%)
- Magenta (18%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 49.790, 123.368 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 79, 49.790, 123.368 by changing the saturation by 10% instead.

 79, 49.790,
123.368

 79, 49.790,
123.368

 100, 49.790,
123.368

 69, 49.790,
123.368

 99, 49.790,
123.368

 59, 49.790,
123.368

 49, 49.790,
123.368

 39, 49.790,
123.368

 29, 49.790,
123.368

 19, 49.790,
123.368

 9, 49.790, 123.368

■ 0, 49.790, 123.368

■ 79, 49.790,
123.368

■ 79, 49.790,
123.368

■ 78, 60.187,
122.965

■ 80, 38.874,
123.852

■ 78, 69.740,
122.712

■ 81, 27.653,
124.367

■ 77, 78.017,
122.710

■ 82, 16.279,
124.885

■ 76, 84.519,
123.081

■ 83, 4.855, 125.396

■ 76, 88.865,
123.931

■ 84, 6.549, 305.837

■ 76, 90.631,
124.566

■ 85, 17.881,
306.285

■ 86, 25.923,

308.442

■ 87, 26.848,
314.383

■ 88, 28.036,
319.963

Harmonies

Complementary

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



79, 49.790, 123.368



56, 53.947, 308.232

Rectangle

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



79, 49.790, 123.368



79, 49.790, 173.368



79, 49.790, 303.368



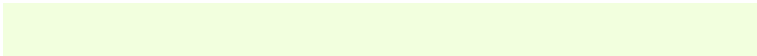
79, 49.790, 353.368

Sweetspot

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



79, 49.791, 123.370



98, 17.519, 124.941



68, 31.820, 59.558



52, 12.258, 124.827



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 49.791, 123.370



94, 69.476, 122.988



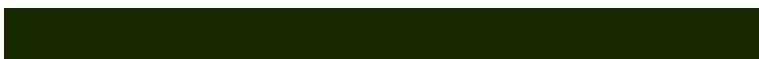
76, 57.444, 138.774



44, 6.507, 125.132



62, 77.308, 124.325



14, 25.327, 125.805

Inverse Universe

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



56, 53.947, 308.232



61, 76.837, 308.875



61, 57.800, 323.783



41, 6.614, 306.049



24, 93.236, 309.981



2, 26.287, 303.966

Previews

White Background



This preview shows how the CIELCh color 79, 49.790, 123.368 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 79, 49.790, 123.368 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 79, 49.790, 123.368

Background



This preview shows how black text looks on a background with the CIELCh color 79, 49.790, 123.368.

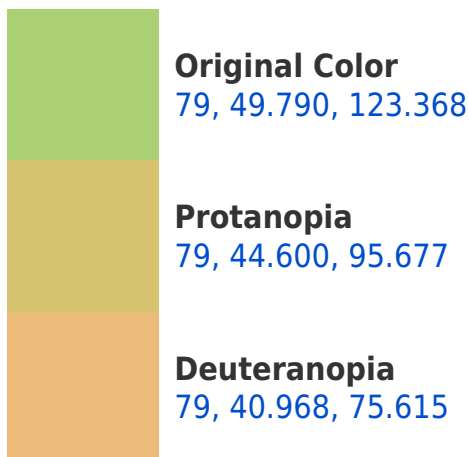


This preview shows how white text looks on a background with the CIELCh color 79, 49.790, 123.368.

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
79, 9.115, 261.032

Trichromacy



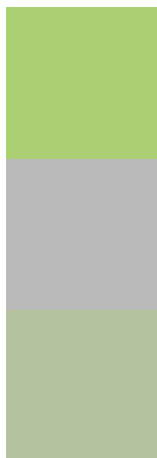
Original Color
79, 49.790, 123.368

Protanomaly
79, 45.108, 107.093

Deuteranomaly
78, 40.118, 95.618

Tritanomaly
79, 15.259, 141.557

Monochromacy



Original Color
79, 49.790, 123.368

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 18.950, 125.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 49.790, 123.368 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(171, 208, 116)` looks like.

```
.text, #text, p{  
    color:rgb(171, 208, 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(171, 208, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 208, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 49.790, 123.368 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(171, 208, 116) }
```

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

```
.border{ border-color:rgb(171, 208, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 208, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 208, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 208, 116); box-shadow:4px 4px 4px 4px rgb(171, 208, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 49.790, 123.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 208, 116) }
```

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

```
.background{ background-color: rgb(171,  
208, 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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