

Converting Colors

CIELCh(82, 74.498, 116.871)

Have a look what the booklet for
CIELCh(82, 74.498, 116.871)
contains.

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Color

CIELCh(82, 74.484, 116.865)

Conversions

Conversions Part 1

Format	Color
Hex	B2DA43
RGB	178, 218, 67
RGB Percent	70%, 85%, 26%
CMY	0.3002, 0.1434, 0.7355
CMYK	0.18, 0.00, 0.69, 0.14
HSL	76°, 67%, 56%
HSV	76°, 69%, 86%
XYZ	44.6742, 60.2982, 14.6656
YIQ	188.8260, 24.6310, -55.4410

Conversions

Conversions Part 2

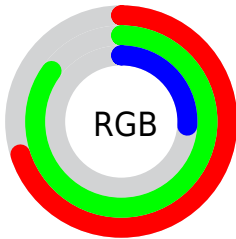
Format	Color
RYB	67, 218, 107
Decimal	11721283
CIELab	82.00, -33.66, 66.45
CIElCh	82, 74.484, 116.865
Yxy	60.2982, 0.3734, 0.5040
Android (android.graphics.Color)	4289911363 (0xFFB2DA43)
YUV	188.8260, -60.0602, -9.4944
Hunter-Lab	77.6519, -33.1973, 43.1586

Details

The CIELCh color **82, 74.484, 116.865** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **42, 88.862, 306.543**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 64.857, 111.653**, and **62, 72.181, 117.645** is the 20% darker color. If you saturate the color by 10%, you get **82, 81.755, 116.912**, and if you desaturate by 10%, it is **83, 65.581, 117.110**.

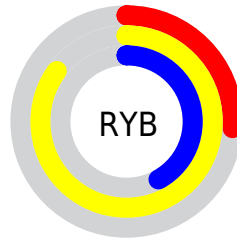
Distribution



Red (70%)

Green (85%)

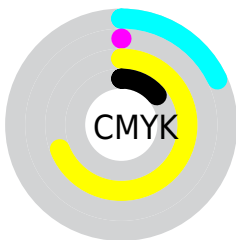
Blue (26%)



Red (26%)

Yellow (85%)

Blue (42%)

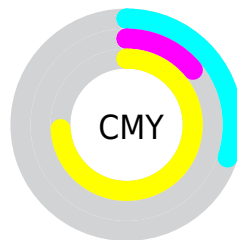


Cyan (18%)

Magenta (0%)

Yellow (69%)

Black (14%)



Cyan (30%)

Magenta (14%)

Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 74.484, 116.865 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 82, 74.484, 116.865 by changing the saturation by 10% instead.

 82, 74.484,
116.865


 82, 74.484,
116.865


 100, 74.484,
116.865

 72, 74.484,
116.865

 62, 74.484,
116.865

 52, 74.484,
116.865

 42, 74.484,
116.865

 32, 74.484,
116.865

 22, 74.484,
116.865

 12, 74.484,

116.865

■ 2, 74.484, 116.865

■ 0, 74.484, 116.865

■ 82, 74.484,
116.865

■ 82, 74.484,
116.865

■ 82, 81.755,
116.912

■ 83, 65.581,
117.110

■ 81, 86.893,
117.350

■ 83, 55.555,
117.541

■ 81, 89.855,
118.205

■ 84, 44.806,
118.085

■ 81, 90.080,
118.285

■ 85, 33.614,
118.685

■ 85, 22.167,

119.308

■ 86, 10.589,
119.929

■ 87, 1.034, 300.491

■ 88, 12.644,
301.100

■ 89, 19.578,
303.784

Harmonies

Complementary

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



82, 74.484, 116.865



42, 88.862, 306.543

Rectangle

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



82, 74.484, 116.865



82, 74.484, 166.865



82, 74.484, 296.865



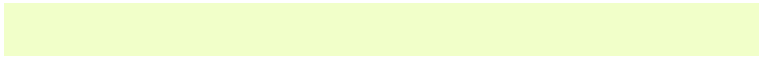
82, 74.484, 346.865

Sweetspot

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



82, 74.485, 116.867



98, 27.585, 119.179



58, 58.853, 44.897



52, 18.651, 119.005



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 74.485, 116.867



93, 94.871, 117.059



78, 84.968, 133.598



46, 6.613, 119.910



65, 75.733, 118.076



17, 27.367, 118.433

Inverse Universe

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



42, 88.862, 306.543



41, 118.479, 307.637



51, 87.546, 319.787



42, 6.743, 301.070



22, 97.759, 307.938



2, 30.078, 301.431

Previews

White Background



This preview shows how the CIELCh color 82, 74.484, 116.865 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 82, 74.484, 116.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

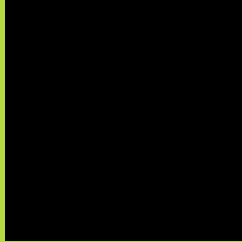
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 74.484, 116.865

Background



This preview shows how black text looks on a background with the CIELCh color 82, 74.484, 116.865.

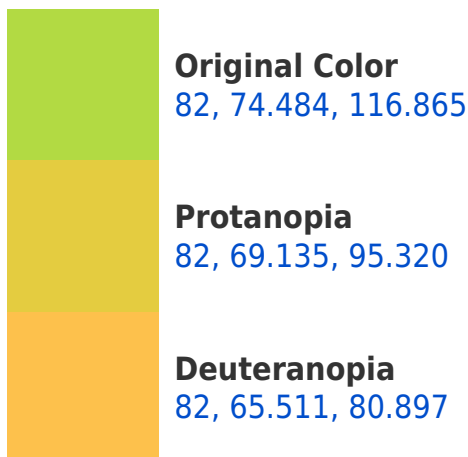


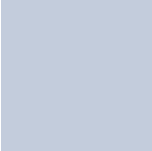
This preview shows how white text looks on a background with the CIELCh color 82, 74.484, 116.865.

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
82, 8.983, 270.491

Trichromacy



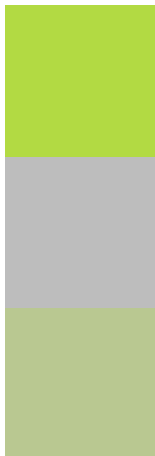
Original Color
82, 74.484, 116.865

Protanomaly
82, 69.731, 103.648

Deuteranomaly
81, 64.972, 95.110

Tritanomaly
81, 24.403, 126.472

Monochromacy



Original Color
82, 74.484, 116.865

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 29.615, 119.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 74.484, 116.865 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(178, 218, 67)` looks like.

```
.text, #text, p{  
    color:rgb(178, 218, 67)  
}
```

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(178, 218, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 218, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 74.484, 116.865 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(178, 218, 67) }
```

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

```
.border{ border-color:rgb(178, 218, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 218, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 218, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 218, 67);  
box-shadow:4px 4px 4px 4px rgb(178, 218,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 74.484, 116.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 218, 67) }
```

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

```
.background{ background-color: rgb(178,  
218, 67) }
```

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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