

Converting Colors

CIELCh(84, 47.030, 122.848)

Have a look what the booklet for
CIELCh(84, 47.030, 122.848)
contains.

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Color

CIELCh(84, 47.116, 122.956)

Conversions

Conversions Part 1

Format	Color
Hex	BBDD85
RGB	187, 221, 133
RGB Percent	73%, 87%, 52%
CMY	0.2661, 0.1328, 0.4779
CMYK	0.15, 0.00, 0.40, 0.13
HSL	83°, 57%, 69%
HSV	83°, 40%, 87%
XYZ	50.6630, 64.0658, 31.9332
YIQ	200.8020, 7.9840, -34.5760

Conversions

Conversions Part 2

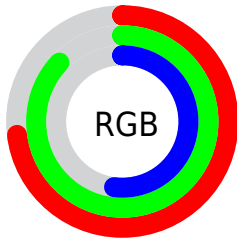
Format	Color
RYB	133, 221, 167
Decimal	12311941
CIELab	84.00, -25.63, 39.53
CIElCh	84, 47.116, 122.956
Yxy	64.0658, 0.3454, 0.4368
Android (android.graphics.Color)	4290502021 (0xFFBBDD85)
YUV	200.8020, -33.4264, -12.1044
Hunter-Lab	80.0411, -27.0880, 32.3744

Details

The CIELCh color **84, 47.116, 122.956** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **62, 50.697, 307.429**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 34.486, 114.542**, and **64, 47.104, 123.229** is the 20% darker color. If you saturate the color by 10%, you get **83, 58.270, 122.505**, and if you desaturate by 10%, it is **85, 35.522, 123.468**.

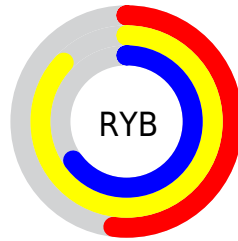
Distribution



Red (73%)

Green (87%)

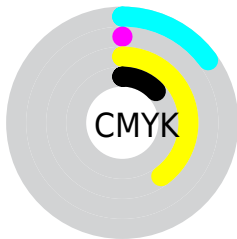
Blue (52%)



Red (52%)

Yellow (87%)

Blue (65%)

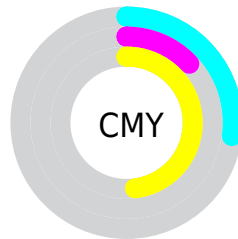


Cyan (15%)

Magenta (0%)

Yellow (40%)

Black (13%)



Cyan (27%)

Magenta (13%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 47.116, 122.956 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 84, 47.116, 122.956 by changing the saturation by 10% instead.


 84, 47.116,
122.956


 84, 47.116,
122.956


 100, 47.116,
122.956


 74, 47.116,
122.956

 64, 47.116,
122.956

 54, 47.116,
122.956


 44, 47.116,
122.956


 34, 47.116,
122.956


 24, 47.116,
122.956


 14, 47.116,


122.956


 4, 47.116, 122.956


 0, 47.116, 122.956


 84, 47.116,
122.956


 84, 47.116,
122.956


 83, 58.270,
122.505


 85, 35.522,
123.468

 82, 68.690,
122.170

 86, 23.680,
123.997

 82, 77.969,
122.042

 87, 11.725,
124.522

 81, 85.592,
122.236

 88, 0.252, 304.675

 81, 91.068,

 89, 12.185,
305.479

122.873

90, 18.655,
310.010

80, 94.436,
123.950

91, 19.790,
318.238

80, 94.498,
123.972

92, 21.190,
325.162

Harmonies

Complementary

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



84, 47.116, 122.956



62, 50.697, 307.429

Rectangle

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



84, 47.116, 122.956



84, 47.116, 172.956



84, 47.116, 302.956



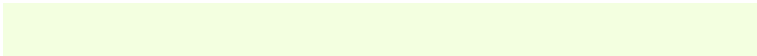
84, 47.116, 352.956

Sweetspot

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



84, 47.118, 122.958



98, 16.121, 124.402



73, 29.669, 58.170



52, 10.693, 124.333



0, 0.000, 0.000



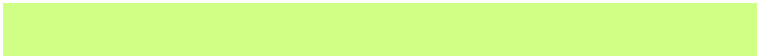
53, 0.007, 296.813

Same Dimension

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



84, 47.118, 122.958



95, 63.173, 122.563



81, 54.272, 138.727



46, 6.747, 124.541



64, 78.645, 123.708



16, 28.285, 123.989

Inverse Universe

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



62, 50.697, 307.429



65, 69.278, 308.048



66, 54.711, 323.100



43, 6.860, 305.485



24, 95.646, 309.677



3, 30.536, 305.149

Previews

White Background



This preview shows how the CIELCh color 84, 47.116, 122.956 looks on a white background.

Color Contrast Check

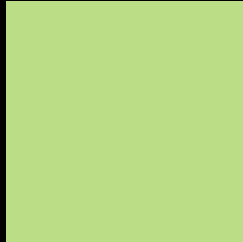
Large Text (above 18pt) WCAG AA × Fail

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 84, 47.116, 122.956 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 84, 47.116, 122.956

Background



This preview shows how black text looks on a background with the CIELCh color 84, 47.116, 122.956.

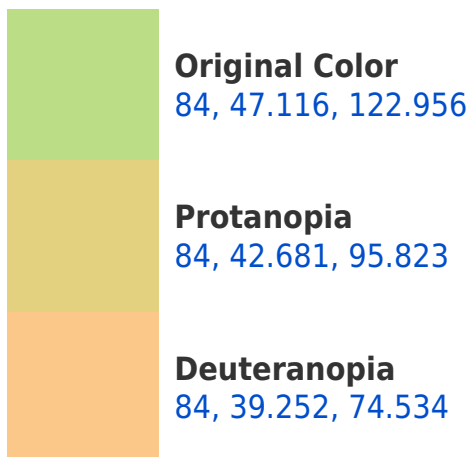


This preview shows how white text looks on a background with the CIELCh color 84, 47.116, 122.956.

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
84, 9.540, 269.694

Trichromacy



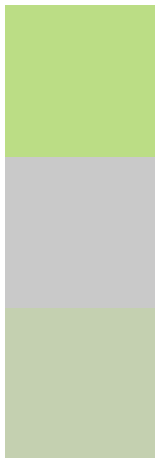
Original Color
84, 47.116, 122.956

Protanomaly
84, 42.747, 106.433

Deuteranomaly
84, 38.368, 94.469

Tritanomaly
84, 13.130, 141.355

Monochromacy



Original Color
84, 47.116, 122.956

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 17.478, 123.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 47.116, 122.956 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(187, 221, 133)` looks like.

```
.text, #text, p{  
    color:rgb(187, 221, 133)  
}
```

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(187, 221, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 221, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 47.116, 122.956 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(187, 221, 133) }
```

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

```
.border{ border-color:rgb(187, 221, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 221, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 221, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 221, 133); box-shadow:4px 4px 4px 4px rgb(187, 221, 133) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 47.116, 122.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 221, 133) }
```

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

```
.background{ background-color: rgb(187,  
221, 133) }
```

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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