

Converting Colors

CIELCh(83, 47.281, 124.756)

Have a look what the booklet for
CIELCh(83, 47.281, 124.756)
contains.

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Color

CIELCh(83, 47.217, 124.888)

Conversions

Conversions Part 1

Format	Color
Hex	B5DB84
RGB	181, 219, 132
RGB Percent	71%, 86%, 52%
CMY	0.2901, 0.1411, 0.4823
CMYK	0.17, 0.00, 0.40, 0.14
HSL	86°, 55%, 69%
HSV	86°, 40%, 86%
XYZ	48.5609, 62.1629, 31.2742
YIQ	197.7200, 5.2790, -35.1130

Conversions

Conversions Part 2

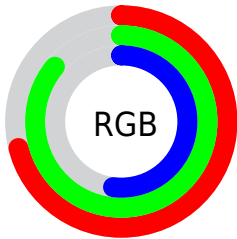
Format	Color
RYB	132, 219, 170
Decimal	11918212
CIELab	83.00, -27.01, 38.73
CIELCh	83, 47.217, 124.888
Yxy	62.1629, 0.3420, 0.4378
Android (android.graphics.Color)	4290108292 (0xFFB5DB84)
YUV	197.7200, -32.4000, -14.6634
Hunter-Lab	78.8435, -28.0352, 31.6724

Details

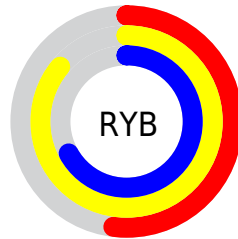
The CIELCh color **83, 47.217, 124.888** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **62, 50.450, 309.036**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 35.351, 118.041**, and **63, 47.128, 124.792** is the 20% darker color. If you saturate the color by 10%, you get **82, 58.452, 124.451**, and if you desaturate by 10%, it is **84, 35.555, 125.380**.

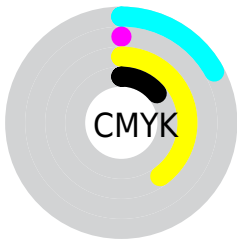
Distribution



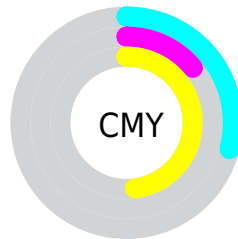
- Red (71%)
- Green (86%)
- Blue (52%)



- Red (52%)
- Yellow (86%)
- Blue (67%)



- Cyan (17%)
- Magenta (0%)
- Yellow (40%)
- Black (14%)



- Cyan (29%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 47.217, 124.888 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 83, 47.217, 124.888 by changing the saturation by 10% instead.

 83, 47.217,
124.888

 83, 47.217,
124.888

 100, 47.217,
124.888

 73, 47.217,
124.888

 63, 47.217,
124.888

 53, 47.217,
124.888

 43, 47.217,
124.888

 33, 47.217,
124.888

 23, 47.217,
124.888

 13, 47.217,

124.888

■ 3, 47.217, 124.888

■ 0, 47.217, 124.888

■ 83, 47.217,
124.888

■ 83, 47.217,
124.888

■ 82, 58.452,
124.451

■ 84, 35.555,
125.380

■ 81, 68.968,
124.127

■ 85, 23.658,
125.886

■ 81, 78.363,
124.007

■ 86, 11.662,
126.383

■ 80, 86.127,
124.211

■ 87, 0.341, 306.540

■ 79, 91.772,

■ 89, 12.285,
307.273

124.860

90, 19.966,
311.046

79, 95.321,
125.952

91, 21.290,
319.585

79, 95.410,
125.983

91, 22.527,
325.209

Harmonies

Complementary

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



83, 47.217, 124.888



62, 50.450, 309.036

Rectangle

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



83, 47.217, 124.888



83, 47.217, 174.888



83, 47.217, 304.888



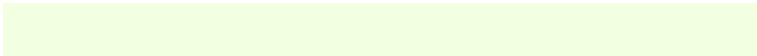
83, 47.217, 354.888

Sweetspot

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



83, 47.219, 124.890



98, 16.286, 126.266



73, 29.477, 63.506



52, 10.804, 126.201



0, 0.000, 0.000



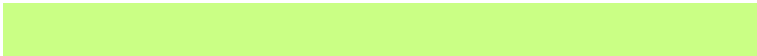
53, 0.007, 296.813

Same Dimension

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



83, 47.219, 124.890



94, 63.950, 124.504



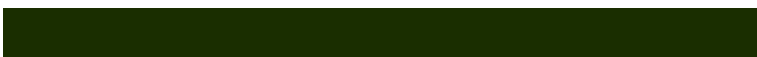
81, 54.587, 139.931



46, 6.815, 126.398



64, 79.967, 125.722



16, 28.724, 126.049

Inverse Universe

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



62, 50.450, 309.036



65, 69.502, 309.584



66, 54.771, 324.597



43, 6.921, 307.277



25, 94.666, 310.608



3, 30.810, 306.948

Previews

White Background



This preview shows how the CIELCh color 83, 47.217, 124.888 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 83, 47.217, 124.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

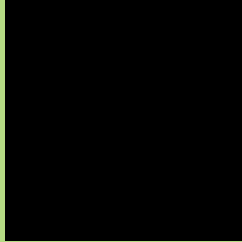
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 47.217, 124.888

Background



This preview shows how black text looks on a background with the CIELCh color 83, 47.217, 124.888.



This preview shows how white text looks on a background with the CIELCh color 83, 47.217, 124.888.

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



Original Color
83, 47.217, 124.888

Protanopia
83, 41.795, 95.616

Deuteranopia
83, 38.233, 74.296



Tritanopia
83, 10.098, 262.416

Trichromacy



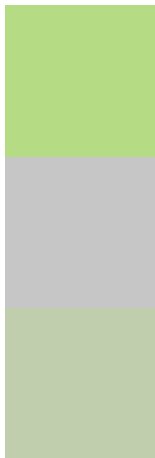
Original Color
83, 47.217, 124.888

Protanomaly
83, 42.321, 107.552

Deuteranomaly
82, 37.282, 95.434

Tritanomaly
83, 14.003, 146.234

Monochromacy



Original Color
83, 47.217, 124.888

Achromatopsia
80, 0.010, 296.813

Achromatomaly
81, 17.735, 126.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 47.217, 124.888 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(181, 219, 132)` looks like.

```
.text, #text, p{  
    color:rgb(181, 219, 132)  
}
```

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(181, 219, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 219, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 47.217, 124.888 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(181, 219, 132) }
```

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

```
.border{ border-color:rgb(181, 219, 132) }
```

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

Here you see how a box with a 4 pixel rgb(181, 219, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 219, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 219, 132);  
box-shadow:4px 4px 4px 4px rgb(181, 219,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 47.217, 124.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 219, 132) }
```

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

```
.background{ background-color: rgb(181,  
219, 132) }
```

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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