

# Converting Colors

CIELCh(81, 52.217, 117.246)

Have a look what the booklet for  
CIELCh(81, 52.217, 117.246)  
contains.

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**Color**

**CIELCh(81, 52.646, 117.301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAD46F
RGB	186, 212, 111
RGB Percent	73%, 83%, 44%
CMY	0.2718, 0.1698, 0.5658
CMYK	0.12, 0.00, 0.48, 0.17
HSL	75°, 54%, 63%
HSV	75°, 48%, 83%
XYZ	46.4915, 58.4711, 23.7900
YIQ	192.7120, 16.9250, -36.9230

# Conversions

## Conversions Part 2

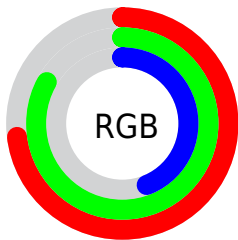
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 212, 137
Decimal	12244079
CIELab	81.00, -24.15, 46.78
CIElCh	81, 52.646, 117.301
Yxy	58.4711, 0.3611, 0.4541
Android (android.graphics.Color)	4290434159 (0xFFBAD46F)
YUV	192.7120, -40.2840, -5.8864
Hunter-Lab	76.4664, -25.2884, 35.0803

# Details

The CIELCh color **81, 52.646, 117.301** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **53, 58.791, 304.132**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 45.182, 112.186**, and **61, 52.252, 117.206** is the 20% darker color. If you saturate the color by 10%, you get **80, 62.533, 116.843**, and if you desaturate by 10%, it is **82, 42.106, 117.864**.

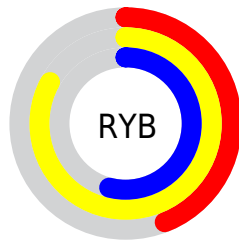
# Distribution



Red (73%)

Green (83%)

Blue (44%)



Red (44%)

Yellow (83%)

Blue (54%)

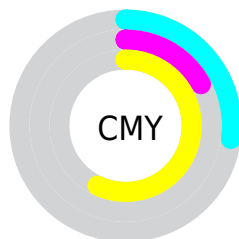


Cyan (12%)

Magenta (0%)

Yellow (48%)

Black (17%)



Cyan (27%)

Magenta (17%)


Yellow (57%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 52.646, 117.301 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 81, 52.646, 117.301 by changing the saturation by 10% instead.





 81, 52.646,  
117.301


 81, 52.646,  
117.301


 100, 52.646,  
117.301


 71, 52.646,  
117.301

 61, 52.646,  
117.301

 51, 52.646,  
117.301

 41, 52.646,  
117.301

 31, 52.646,  
117.301

 21, 52.646,  
117.301

 11, 52.646,

117.301

■ 1, 52.646, 117.301

■ 0, 52.646, 117.301

■ 81, 52.646,  
117.301

■ 81, 52.646,  
117.301

■ 80, 62.533,  
116.843

■ 82, 42.106,  
117.864

■ 80, 71.391,  
116.557

■ 82, 31.164,  
118.476

■ 79, 78.738,  
116.540

■ 83, 19.994,  
119.105

■ 79, 84.074,  
116.895

■ 84, 8.710, 119.731

■ 79, 87.202,

■ 85, 2.611, 300.319

117.679

86, 13.914,  
300.908

79, 87.782,  
117.881

87, 23.157,  
302.184

87, 23.558,  
306.634

88, 24.093,  
310.958

# Harmonies

# Complementary

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



81, 52.646, 117.301



53, 58.791, 304.132

# Rectangle

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



81, 52.646, 117.301



81, 52.646, 167.301



81, 52.646, 297.301



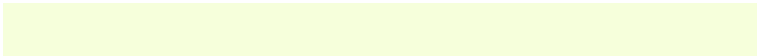
81, 52.646, 347.301

# Sweetspot

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



81, 52.647, 117.303



99, 18.404, 119.329



64, 36.614, 44.300



52, 12.700, 119.192



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



81, 52.647, 117.303



95, 71.857, 116.847



78, 59.814, 134.724



45, 6.479, 119.624



65, 74.747, 117.686



16, 25.824, 118.535



# Inverse Universe

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



53, 58.791, 304.132



57, 82.691, 305.180



59, 61.423, 319.294



41, 6.608, 300.797



22, 96.792, 307.864



2, 27.963, 300.432



# Previews

## White Background



This preview shows how the CIELCh color 81, 52.646, 117.301 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 81, 52.646, 117.301 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 81, 52.646, 117.301

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 52.646, 117.301.

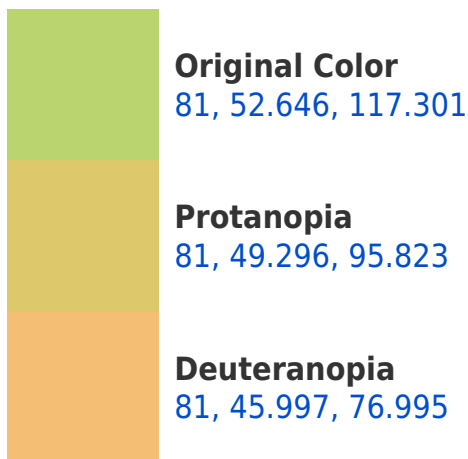


This preview shows how white text looks on a background with the CIELCh color 81, 52.646, 117.301.

# 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

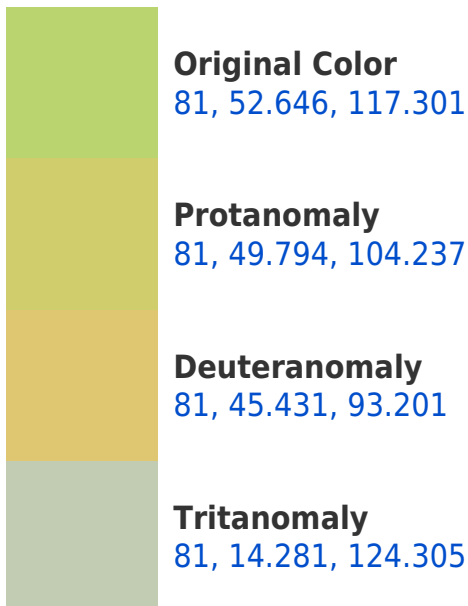




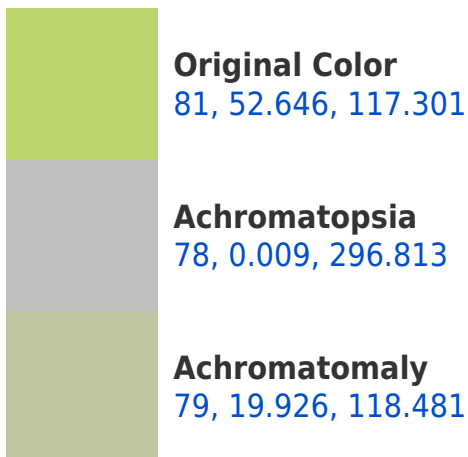


**Tritanopia**  
81, 8.511, 288.561

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 52.646, 117.301 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(186, 212, 111)` looks like.

```
.text, #text, p{  
    color:rgb(186, 212, 111)  
}
```

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(186, 212, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 212, 111) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 52.646, 117.301 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(186, 212, 111) }
```

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

```
.border{ border-color:rgb(186, 212, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 212, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 212, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 212, 111);  
box-shadow:4px 4px 4px 4px rgb(186, 212,  
111) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 52.646, 117.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 212, 111) }
```

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

```
.background{ background-color: rgb(186,  
212, 111) }
```

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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