

# Converting Colors

CIELCh(79, 39.338, 101.505)

Have a look what the booklet for  
CIELCh(79, 39.338, 101.505)  
contains.

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**Color**

**CIELCh(79, 39.363, 101.706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEC67B
RGB	206, 198, 123
RGB Percent	81%, 78%, 48%
CMY	0.1922, 0.2236, 0.5177
CMYK	0.00, 0.04, 0.40, 0.19
HSL	54°, 46%, 65%
HSV	54°, 40%, 81%
XYZ	49.2123, 54.9284, 26.7418
YIQ	191.8420, 28.8430, -21.6290

# Conversions

## Conversions Part 2

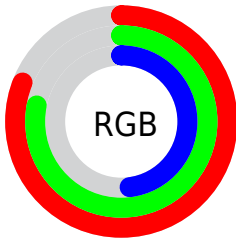
Format	Color
<b>RYB</b>	132, 206, 123
Decimal	13551227
CIELab	79.00, -7.99, 38.54
CIELCh	79, 39.363, 101.706
Yxy	54.9284, 0.3760, 0.4197
Android (android.graphics.Color)	4291741307 (0xFFCEC67B)
YUV	191.8420, -33.9391, 12.4166
Hunter-Lab	74.1137, -11.1731, 30.4865

# Details

The CIELCh color **79, 39.363, 101.706** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **57, 42.771, 291.744**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 39.607, 107.155**, and **59, 38.959, 101.652** is the 20% darker color. If you saturate the color by 10%, you get **78, 48.635, 100.653**, and if you desaturate by 10%, it is **80, 29.759, 102.781**.

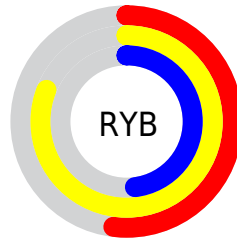
# Distribution



Red (81%)

Green (78%)

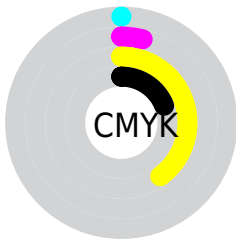
Blue (48%)



Red (52%)

Yellow (81%)

Blue (48%)

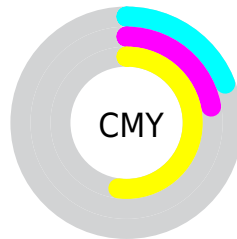


Cyan (0%)

Magenta (4%)

Yellow (40%)

Black (19%)



Cyan (19%)

Magenta (22%)


Yellow (52%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 39.363, 101.706 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, 39.363, 101.706 by changing the saturation by 10% instead.





 79, 39.363,  
101.706

 79, 39.363,  
101.706


 100, 39.363,  
101.706


 69, 39.363,  
101.706


 99, 39.363,  
101.706

 59, 39.363,  
101.706

 49, 39.363,  
101.706

 39, 39.363,  
101.706

 29, 39.363,  
101.706

 19, 39.363,  
101.706

 9, 39.363, 101.706

0, 39.363, 101.706

79, 39.363,  
101.706

79, 39.363,  
101.706

78, 48.635,  
100.653

80, 29.759,  
102.781

77, 57.308, 99.632

81, 19.983,  
103.852

77, 64.985, 98.664

82, 10.136,  
104.906

76, 71.123, 97.769

76, 75.146, 96.952

83, 0.279, 105.569

75, 77.044, 96.217

84, 9.552, 286.969

85, 19.334,  
287.931

86, 22.704,

287.177

■ 86, 21.685,  
285.112

■ 87, 20.697,  
282.856

# Harmonies

# Complementary

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



79, 39.363, 101.706



57, 42.771, 291.744

# Rectangle

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



79, 39.363, 101.706



79, 39.363, 151.706



79, 39.363, 281.706



79, 39.363, 331.706

# Sweetspot

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



79, 39.364, 101.709



99, 14.055, 104.712



61, 34.546, 15.851



52, 9.323, 104.574



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, 39.364, 101.709



95, 55.317, 100.831



79, 45.154, 123.469



43, 5.541, 105.000



62, 65.613, 96.328



13, 19.683, 99.789



# Inverse Universe

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



57, 42.771, 291.744



64, 61.599, 293.438



58, 48.529, 307.886



40, 5.640, 287.026



20, 92.186, 304.891

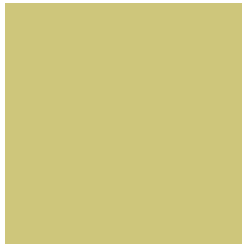


2, 21.953, 290.004



# Previews

## White Background



This preview shows how the CIELCh color 79, 39.363, 101.706 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, 39.363, 101.706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

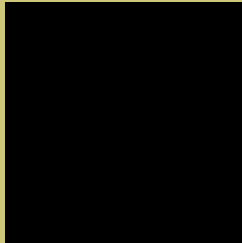
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 39.363, 101.706

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 39.363, 101.706.

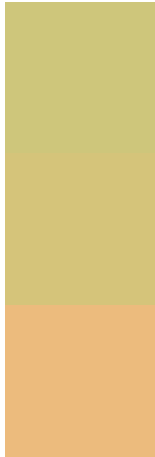


This preview shows how white text looks on a background with the CIELCh color 79, 39.363, 101.706.

# 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

79, 39.363, 101.706

### Protanopia

79, 39.471, 96.186

### Deuteranopia

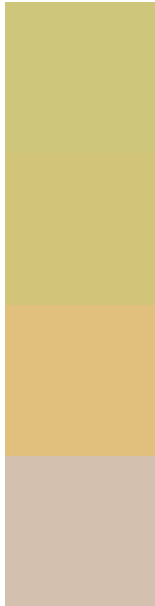
79, 39.315, 75.222





**Tritanopia**  
79, 12.787, 341.751

# Trichromacy



**Original Color**  
79, 39.363, 101.706

**Protanomaly**  
79, 39.647, 98.670

**Deuteranomaly**  
79, 38.368, 84.923

**Tritanomaly**  
79, 12.349, 70.356

# Monochromacy



**Original Color**  
79, 39.363, 101.706

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
78, 14.412, 104.211

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 39.363, 101.706 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(206, 198, 123)` looks like.

```
.text, #text, p{  
    color:rgb(206, 198, 123)  
}
```

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(206, 198, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 198, 123) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 39.363, 101.706 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(206, 198, 123) }
```

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

```
.border{ border-color:rgb(206, 198, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 198, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 198, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 198, 123);  
box-shadow:4px 4px 4px 4px rgb(206, 198,  
123) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 39.363, 101.706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 198, 123) }
```

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

```
.background{ background-color: rgb(206,  
198, 123) }
```

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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