

Converting Colors

CIELCh(77, 37.410, 105.787)

Have a look what the booklet for
CIELCh(77, 37.410, 105.787)
contains.

CIELCh(77, 37.313, 106.039)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 37.313, 106.039)

Conversions

Conversions Part 1

Format	Color
Hex	C3C27B
RGB	195, 194, 123
RGB Percent	76%, 76%, 48%
CMY	0.2359, 0.2397, 0.5182
CMYK	0.00, 0.01, 0.37, 0.24
HSL	59°, 37%, 62%
HSV	59°, 37%, 76%
XYZ	45.2968, 51.5317, 26.2551
YIQ	186.2050, 23.3870, -21.8690

Conversions

Conversions Part 2

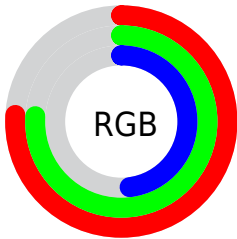
Format	Color
RYB	124, 195, 123
Decimal	12829307
CIELab	77.00, -10.31, 35.86
CIELCh	77, 37.313, 106.039
Yxy	51.5317, 0.3680, 0.4187
Android (android.graphics.Color)	4291019387 (0xFFC3C27B)
YUV	186.2050, -31.1601, 7.7132
Hunter-Lab	71.7856, -12.9911, 28.5650

Details

The CIELCh color $77, 37.313, 106.039$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $55, 40.856, 294.467$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 37.295, 105.501$, and $57, 37.418, 106.413$ is the 20% darker color. If you saturate the color by 10%, you get $77, 46.857, 105.113$, and if you desaturate by 10%, it is $77, 27.415, 107.006$.

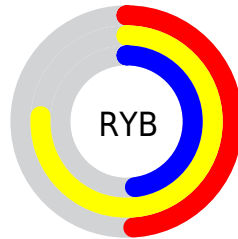
Distribution



Red (76%)

Green (76%)

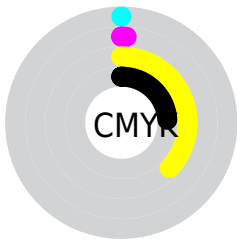
Blue (48%)



Red (49%)

Yellow (76%)

Blue (48%)

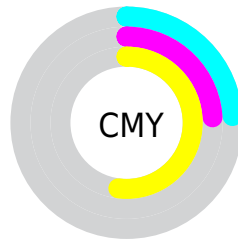


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (24%)



Cyan (24%)


Magenta (24%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 37.313, 106.039 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 77, 37.313, 106.039 by changing the saturation by 10% instead.


 77, 37.313,
106.039


 77, 37.313,
106.039


 100, 37.313,
106.039


 67, 37.313,
106.039


 97, 37.313,
106.039


 57, 37.313,
106.039

 47, 37.313,
106.039

 37, 37.313,
106.039

 27, 37.313,
106.039

 17, 37.313,
106.039

 7, 37.313, 106.039

■ 0, 37.313, 106.039

■ 77, 37.313,
106.039

■ 77, 37.313,
106.039

■ 77, 46.857,
105.113

■ 77, 27.415,
107.006

■ 76, 55.808,
104.246

■ 78, 17.313,
107.981

■ 76, 63.821,
103.472

■ 78, 7.106, 108.950

■ 76, 70.436,
102.830

■ 79, 3.144, 289.940

■ 76, 75.163,
102.354

■ 80, 13.396,
290.857

■ 76, 77.749,
102.056

■ 80, 23.622,
291.756

■ 81, 31.543,

■ 76, 78.341,
101.981

292.395

■ 81, 31.393,
292.221

■ 81, 31.243,
292.045

Harmonies

Complementary

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



77, 37.313, 106.039



55, 40.856, 294.467

Rectangle

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



77, 37.313, 106.039



77, 37.313, 156.039



77, 37.313, 286.039



77, 37.313, 336.039

Sweetspot

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



77, 37.314, 106.042



98, 13.888, 108.543



59, 30.319, 21.570



53, 9.406, 108.409



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 37.314, 106.042



97, 54.366, 105.319



75, 40.492, 126.748



41, 5.776, 108.718



63, 67.907, 101.994



12, 18.311, 105.999

Inverse Universe

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



55, 40.856, 294.467



64, 61.038, 295.881



57, 42.763, 310.354



37, 5.900, 290.601



18, 94.046, 306.090



1, 19.286, 290.774

Previews

White Background



This preview shows how the CIELCh color 77, 37.313, 106.039 looks on a white background.

Color Contrast Check

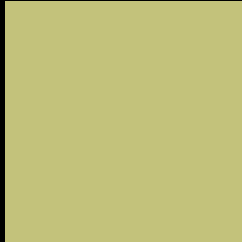
Large Text (above 18pt) WCAG AA × Fail

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 77, 37.313, 106.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

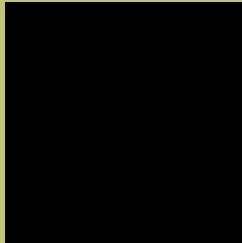
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 37.313, 106.039

Background



This preview shows how black text looks on a background with the CIELCh color 77, 37.313, 106.039.



This preview shows how white text looks on a background with the CIELCh color 77, 37.313, 106.039.

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
77, 37.313, 106.039

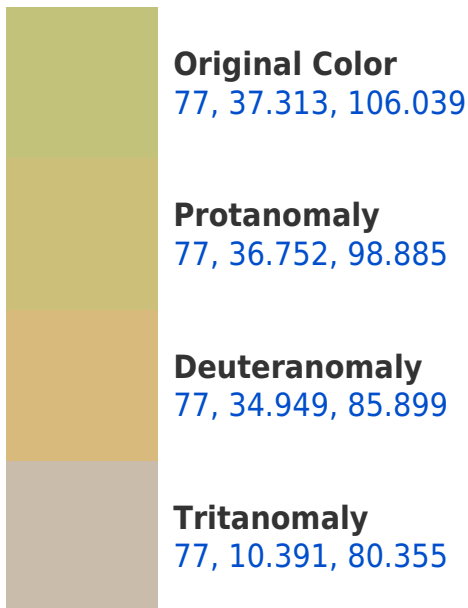
Protanopia
77, 37.159, 95.645

Deuteranopia
77, 36.052, 74.640



Tritanopia
77, 10.298, 333.417

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 37.313, 106.039 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(195, 194, 123)` looks like.

```
.text, #text, p{  
    color:rgb(195, 194, 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(195, 194, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 194, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 37.313, 106.039 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(195, 194, 123) }
```

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

```
.border{ border-color:rgb(195, 194, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 194, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 194, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 194, 123); box-shadow:4px 4px 4px 4px rgb(195, 194, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 37.313, 106.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 194, 123) }
```

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

```
.background{ background-color: rgb(195,  
194, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor