

Converting Colors

CIELCh(76, 39.036, 106.454)

Have a look what the booklet for
CIELCh(76, 39.036, 106.454)
contains.

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Color

CIELCh(76, 38.917, 106.479)

Conversions

Conversions Part 1

Format	Color
Hex	BFBF75
RGB	191, 191, 117
RGB Percent	75%, 75%, 46%
CMY	0.2492, 0.2492, 0.5395
CMYK	0.00, 0.00, 0.39, 0.25
HSL	60°, 37%, 61%
HSV	60°, 39%, 75%
XYZ	43.5656, 49.8872, 24.2928
YIQ	182.5640, 23.7540, -23.0140

Conversions

Conversions Part 2

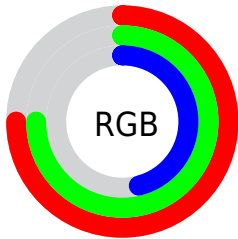
Format	Color
RYB	117, 191, 117
Decimal	12566389
CIELab	76.00, -11.04, 37.32
CIELCh	76, 38.917, 106.479
Yxy	49.8872, 0.3700, 0.4237
Android (android.graphics.Color)	4290756469 (0xFFBFBF75)
YUV	182.5640, -32.3231, 7.3984
Hunter-Lab	70.6309, -13.5042, 29.0495

Details

The CIELCh color **76, 38.917, 106.479** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52, 42.943, 295.265**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 38.835, 106.566**, and **56, 39.035, 106.790** is the 20% darker color. If you saturate the color by 10%, you get **76, 48.337, 105.584**, and if you desaturate by 10%, it is **76, 29.100, 107.423**.

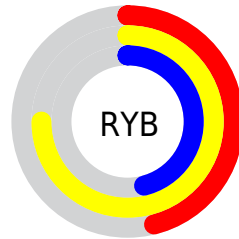
Distribution



Red (75%)

Green (75%)

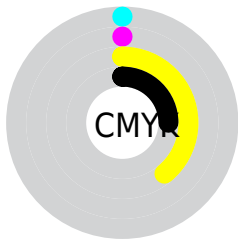
Blue (46%)



Red (46%)

Yellow (75%)

Blue (46%)

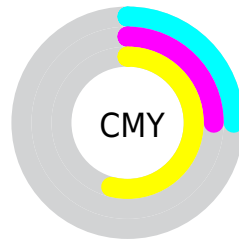


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (25%)


Magenta (25%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.917, 106.479 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 76, 38.917, 106.479 by changing the saturation by 10% instead.

 76, 38.917,
106.479

 76, 38.917,
106.479

 100, 38.917,
106.479


 66, 38.917,
106.479


 96, 38.917,
106.479


 56, 38.917,
106.479

 46, 38.917,
106.479

 36, 38.917,
106.479

 26, 38.917,
106.479

 16, 38.917,
106.479

 6, 38.917, 106.479

0, 38.917, 106.479

76, 38.917,
106.479

76, 38.917,
106.479

76, 48.337,
105.584

76, 29.100,
107.423

76, 57.104,
104.758

77, 19.046,
108.383

75, 64.859,
104.039

77, 8.866, 109.342

78, 1.374, 290.346

75, 71.138,
103.468

78, 11.626,
291.235

75, 75.486,
103.079

79, 21.862,
292.130

75, 77.848,
102.870

79, 32.059,

■ 75, 78.114,
102.847

292.992

■ 80, 33.946,
293.146

■ 80, 33.945,
293.146

Harmonies

Complementary

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



76, 38.917, 106.479



52, 42.943, 295.265

Rectangle

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



76, 38.917, 106.479



76, 38.917, 156.479



76, 38.917, 286.479



76, 38.917, 336.479

Sweetspot

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



76, 38.918, 106.482



98, 15.228, 109.006



57, 31.458, 21.826



52, 10.096, 108.879



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



76, 38.918, 106.482



96, 56.891, 105.752



73, 41.732, 126.669



41, 5.855, 109.275



64, 68.595, 102.847



12, 18.615, 106.710

Inverse Universe

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



52, 42.943, 295.265



61, 64.516, 296.763



55, 44.197, 310.449



37, 5.984, 291.138



18, 94.720, 306.286



1, 19.478, 291.132

Previews

White Background



This preview shows how the CIELCh color 76, 38.917, 106.479 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 76, 38.917, 106.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

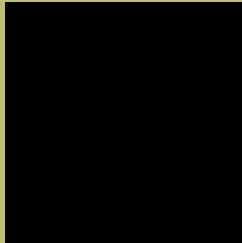
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 38.917, 106.479

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.917, 106.479.



This preview shows how white text looks on a background with the CIELCh color 76, 38.917, 106.479.

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

76, 38.917, 106.479

Protanopia

76, 38.260, 95.744

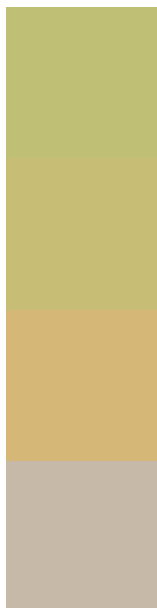
Deuteranopia

76, 37.801, 75.071



Tritanopia
76, 10.327, 333.426

Trichromacy



Original Color
76, 38.917, 106.479

Protanomaly
76, 38.218, 100.235

Deuteranomaly
76, 36.825, 87.333

Tritanomaly
76, 10.902, 81.602

Monochromacy



Original Color
76, 38.917, 106.479

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 14.485, 108.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.917, 106.479 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(191, 191, 117)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 117)  
}
```

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(191, 191, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.917, 106.479 is called "border". The border property can be set on classes, ids or directly on the HTML element.

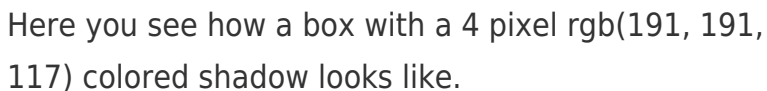
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 191, 117) }
```

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

```
.border{ border-color:rgb(191, 191, 117) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 191, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 191, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 191, 117); box-shadow:4px 4px 4px 4px rgb(191, 191, 117) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.917, 106.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 117) }
```

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

```
.background{ background-color: rgb(191,  
191, 117) }
```

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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