

Converting Colors

CIELCh(76, 37.296, 123.121)

Have a look what the booklet for
CIELCh(76, 37.296, 123.121)
contains.

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Color

CIELCh(76, 37.450, 123.647)

Conversions

Conversions Part 1

Format	Color
Hex	AAC581
RGB	170, 197, 129
RGB Percent	67%, 77%, 51%
CMY	0.3345, 0.2286, 0.4952
CMYK	0.14, 0.00, 0.35, 0.23
HSL	84°, 37%, 64%
HSV	84°, 35%, 77%
XYZ	40.3557, 49.8872, 28.1732
YIQ	181.1750, 5.7360, -26.8720

Conversions

Conversions Part 2

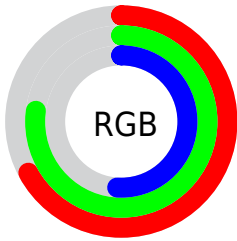
Format	Color
RYB	129, 197, 156
Decimal	11191681
CIELab	76.00, -20.75, 31.18
CIELCh	76, 37.450, 123.647
Yxy	49.8872, 0.3408, 0.4213
Android (android.graphics.Color)	4289381761 (0xFFAAC581)
YUV	181.1750, -25.7223, -9.8005
Hunter-Lab	70.6309, -21.6164, 25.7921

Details

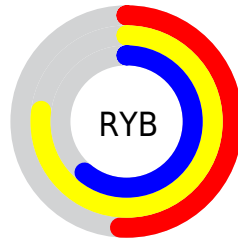
The CIELCh color **76, 37.450, 123.647** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 39.787, 307.396**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 37.376, 123.859**, and **56, 37.185, 123.558** is the 20% darker color. If you saturate the color by 10%, you get **75, 47.871, 123.166**, and if you desaturate by 10%, it is **77, 26.740, 124.164**.

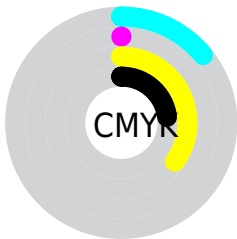
Distribution



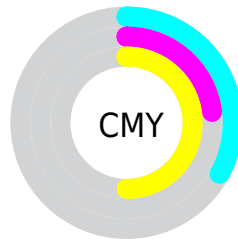
- Red (67%)
- Green (77%)
- Blue (51%)



- Red (51%)
- Yellow (77%)
- Blue (61%)



- Cyan (14%)
- Magenta (0%)
- Yellow (35%)
- Black (23%)





- Cyan (33%)
- Magenta (23%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.450, 123.647 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, 37.450, 123.647 by changing the saturation by 10% instead.


 76, 37.450,
123.647


 76, 37.450,
123.647


 100, 37.450,
123.647


 66, 37.450,
123.647


 96, 37.450,
123.647

 56, 37.450,
123.647

 46, 37.450,
123.647

 36, 37.450,
123.647

 26, 37.450,
123.647

 16, 37.450,
123.647

 6, 37.450, 123.647

0, 37.450, 123.647

76, 37.450,
123.647

76, 37.450,
123.647

75, 47.871,
123.166

77, 26.740,
124.164

74, 57.788,
122.763

78, 15.879,
124.682

74, 66.899,
122.511

79, 4.966, 125.195

73, 74.790,
122.509

80, 5.930, 305.639

73, 80.987,
122.878

81, 16.760,
306.091

72, 85.129,
123.720

82, 27.491,
306.502

83, 32.345,

■ 72, 86.784,
124.300

309.316

■ 84, 33.163,
313.779

■ 85, 34.165,
318.068

Harmonies

Complementary

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



76, 37.450, 123.647



59, 39.787, 307.396

Rectangle

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



76, 37.450, 123.647



76, 37.450, 173.647



76, 37.450, 303.647



76, 37.450, 353.647

Sweetspot

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



76, 37.452, 123.649



99, 13.460, 124.908



67, 22.992, 58.638



52, 9.184, 124.835



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 37.452, 123.649



95, 54.541, 123.302



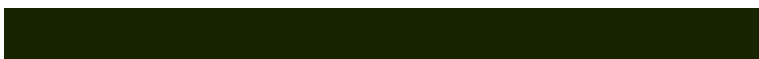
74, 43.004, 139.153



42, 6.238, 124.947



61, 75.423, 124.078



12, 22.042, 127.278

Inverse Universe

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



59, 39.787, 307.396



70, 58.789, 307.880



62, 43.335, 322.861



39, 6.341, 305.864



23, 91.210, 309.915



2, 22.024, 302.432

Previews

White Background



This preview shows how the CIELCh color 76, 37.450, 123.647 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 76, 37.450, 123.647 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, 37.450, 123.647

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.450, 123.647.



This preview shows how white text looks on a background with the CIELCh color 76, 37.450, 123.647.

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

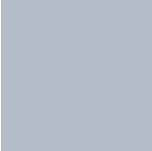
76, 37.450, 123.647

Protanopia

76, 33.621, 95.552

Deuteranopia

76, 30.870, 72.107



Tritanopia
76, 7.999, 270.110

Trichromacy



Original Color
76, 37.450, 123.647

Protanomaly
76, 34.338, 106.919

Deuteranomaly
75, 29.799, 92.887

Tritanomaly
76, 10.316, 142.334

Monochromacy



Original Color
76, 37.450, 123.647

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 13.998, 124.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.450, 123.647 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(170, 197, 129)` looks like.

```
.text, #text, p{  
    color:rgb(170, 197, 129)  
}
```

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(170, 197, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 197, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.450, 123.647 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(170, 197, 129) }
```

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

```
.border{ border-color:rgb(170, 197, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 197, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 197, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 197, 129);  
box-shadow:4px 4px 4px 4px rgb(170, 197,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.450, 123.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 197, 129) }
```

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

```
.background{ background-color: rgb(170,  
197, 129) }
```

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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