

Converting Colors

CIELCh(76, 64.147, 113.880)

Have a look what the booklet for
CIELCh(76, 64.147, 113.880)
contains.

CIELCh(76, 64.147, 113.880)	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(76, 64.147, 113.880)

Conversions

Conversions Part 1

Format	Color
Hex	ADC647
RGB	173, 198, 71
RGB Percent	68%, 78%, 28%
CMY	0.3205, 0.2224, 0.7205
CMYK	0.13, 0.00, 0.64, 0.22
HSL	72°, 53%, 53%
HSV	72°, 64%, 78%
XYZ	38.6979, 49.8872, 13.5961
YIQ	176.0470, 25.8670, -44.7970

Conversions

Conversions Part 2

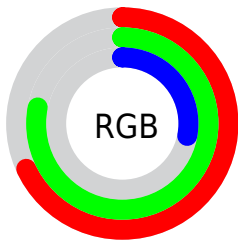
Format	Color
RYB	71, 198, 96
Decimal	11388487
CIELab	76.00, -25.97, 58.66
CIELCh	76, 64.147, 113.880
Yxy	49.8872, 0.3787, 0.4882
Android (android.graphics.Color)	4289578567 (0xFFADC647)
YUV	176.0470, -51.7882, -2.6722
Hunter-Lab	70.6309, -25.8060, 38.0286

Details

The CIELCh color **76, 64.147, 113.880** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **40, 76.248, 304.413**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 64.322, 113.896**, and **56, 64.105, 113.980** is the 20% darker color. If you saturate the color by 10%, you get **76, 71.588, 113.654**, and if you desaturate by 10%, it is **76, 55.452, 114.320**.

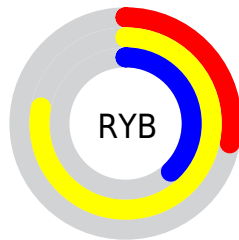
Distribution



Red (68%)

Green (78%)

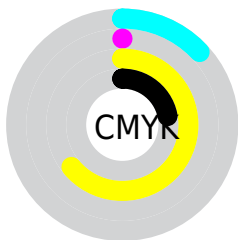
Blue (28%)



Red (28%)

Yellow (78%)

Blue (38%)

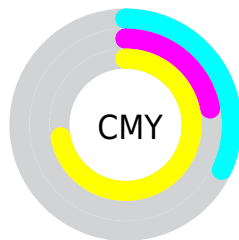


Cyan (13%)

Magenta (0%)

Yellow (64%)

Black (22%)



Cyan (32%)


Magenta (22%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 64.147, 113.880 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, 64.147, 113.880 by changing the saturation by 10% instead.

 76, 64.147,
113.880

 76, 64.147,
113.880


 100, 64.147,
113.880


 66, 64.147,
113.880


 96, 64.147,
113.880

 56, 64.147,
113.880

 46, 64.147,
113.880

 36, 64.147,
113.880

 26, 64.147,
113.880

 16, 64.147,
113.880

 6, 64.147, 113.880

0, 64.147, 113.880

76, 64.147,
113.880

76, 64.147,
113.880

76, 71.588,
113.654

76, 55.452,
114.320

75, 77.284,
113.727

77, 45.923,
114.892

75, 80.861,
114.182

78, 35.869,
115.539

75, 82.247,
114.583

78, 25.498,
116.223

79, 14.949,
116.917

80, 4.312, 117.602

■ 80, 6.348, 298.260

■ 81, 16.989,
298.894

■ 82, 27.580,
299.494

Harmonies

Complementary

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



76, 64.147, 113.880



40, 76.248, 304.413

Rectangle

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



76, 64.147, 113.880



76, 64.147, 163.880



76, 64.147, 293.880



76, 64.147, 343.880

Sweetspot

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



76, 64.148, 113.882



98, 24.753, 116.554



53, 51.347, 39.591



52, 17.017, 116.353



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, 64.148, 113.882



95, 89.625, 113.642



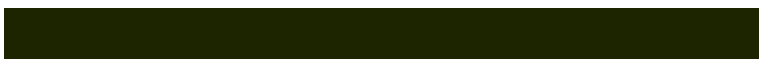
72, 72.542, 132.090



42, 6.051, 117.238



63, 71.137, 114.430



13, 20.771, 117.395

Inverse Universe

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



40, 76.248, 304.413



43, 112.155, 306.059



47, 75.985, 317.669



39, 6.176, 298.539



20, 94.336, 307.294



2, 21.661, 296.919

Previews

White Background



This preview shows how the CIELCh color 76, 64.147, 113.880 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, 64.147, 113.880 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, 64.147, 113.880

Background



This preview shows how black text looks on a background with the CIELCh color 76, 64.147, 113.880.



This preview shows how white text looks on a background with the CIELCh color 76, 64.147, 113.880.

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, 64.147, 113.880

Protanopia
76, 60.890, 95.228

Deuteranopia
76, 57.849, 80.529



Tritanopia
76, 7.561, 293.611

Trichromacy



Original Color
76, 64.147, 113.880

Protanomaly
76, 61.233, 102.330

Deuteranomaly
75, 57.110, 93.197

Tritanomaly
75, 20.023, 117.335

Monochromacy



Original Color
76, 64.147, 113.880

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 24.924, 116.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 64.147, 113.880 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(173, 198, 71)` looks like.

```
.text, #text, p{  
    color:rgb(173, 198, 71)  
}
```

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(173, 198, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 198, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 64.147, 113.880 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(173, 198, 71) }
```

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

```
.border{ border-color:rgb(173, 198, 71) }
```

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

Here you see how a box with a 4 pixel rgb(173, 198, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 198, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 198, 71);  
box-shadow:4px 4px 4px 4px rgb(173, 198,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 64.147, 113.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 198, 71) }
```

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

```
.background{ background-color: rgb(173,  
198, 71) }
```

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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