

Converting Colors

CIELCh(76, 97.770, 132.970)

Have a look what the booklet for
CIELCh(76, 97.770, 132.970)
contains.

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Color

CIELCh(76, 97.642, 133.017)

Conversions

Conversions Part 1

Format	Color
Hex	4CD618
RGB	76, 214, 24
RGB Percent	30%, 84%, 9%
CMY	0.7003, 0.1594, 0.9073
CMYK	0.64, 0.00, 0.89, 0.16
HSL	103°, 80%, 47%
HSV	103°, 89%, 84%
XYZ	27.3104, 49.8872, 9.0336
YIQ	151.0780, -21.2580, -88.3460

Conversions

Conversions Part 2

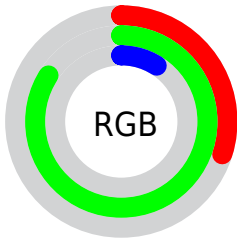
Format	Color
RYB	24, 214, 162
Decimal	5035544
CIELab	76.00, -66.61, 71.39
CIElCh	76, 97.642, 133.017
Yxy	49.8872, 0.3167, 0.5785
Android (android.graphics.Color)	4283225624 (0xFF4CD618)
YUV	151.0780, -62.6495, -65.8434
Hunter-Lab	70.6309, -54.5845, 41.8585

Details

The CIELCh color **76, 97.642, 133.017** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **43, 100.876, 318.634**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.023, 132.495**, and **57, 83.756, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 101.531, 133.618**, and if you desaturate by 10%, it is **77, 91.404, 132.800**.

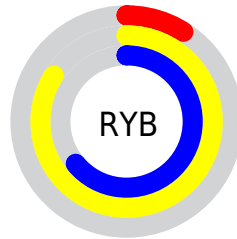
Distribution



Red (30%)

Green (84%)

Blue (9%)



Red (9%)

Yellow (84%)

Blue (64%)

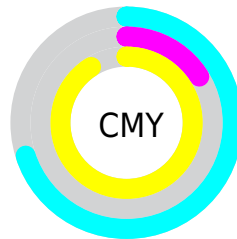


Cyan (64%)

Magenta (0%)

Yellow (89%)

Black (16%)



Cyan (70%)


Magenta (16%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 97.642, 133.017 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, 97.642, 133.017 by changing the saturation by 10% instead.


 76, 97.642,
133.017


 76, 97.642,
133.017


 100, 97.642,
133.017


 66, 97.642,
133.017


 96, 97.642,
133.017

 56, 97.642,
133.017

 46, 97.642,
133.017

 36, 97.642,
133.017

 26, 97.642,
133.017

 16, 97.642,
133.017

 6, 97.642, 133.017

■ 0, 97.642, 133.017

■ 76, 97.642,
133.017

■ 76, 97.642,
133.017

■ 76, 101.531,
133.618

■ 77, 91.404,
132.800

■ 76, 101.870,
133.674

■ 77, 82.938,
132.958

■ 78, 72.772,
133.366

■ 79, 61.433,
133.903

■ 80, 49.349,
134.484

■ 81, 36.834,
135.058

■ 83, 24.117,
135.596

■ 84, 11.365,
136.090

■ 86, 1.306, 316.353

Harmonies

Complementary

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



76, 97.642, 133.017



43, 100.876, 318.634

Rectangle

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



76, 97.642, 133.017



76, 97.642, 183.017



76, 97.642, 313.017



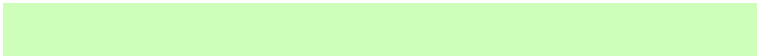
76, 97.642, 3.017

Sweetspot

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



76, 97.642, 133.018



95, 39.530, 135.152



69, 69.964, 82.401



50, 26.620, 134.960



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, 97.642, 133.018



88, 116.303, 133.790



75, 92.557, 140.544



44, 7.187, 136.069



61, 85.825, 133.487



15, 29.744, 135.491

Inverse Universe

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



43, 100.876, 318.634



49, 119.363, 317.928



50, 84.560, 338.015



42, 7.241, 316.842



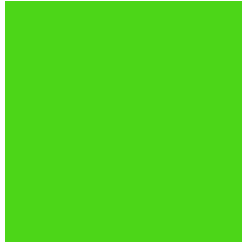
32, 88.307, 318.157



4, 30.852, 317.670

Previews

White Background



This preview shows how the CIE LCh color 76, 97.642, 133.017 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, 97.642, 133.017 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, 97.642, 133.017

Background



This preview shows how black text looks on a background with the CIELCh color 76, 97.642, 133.017.

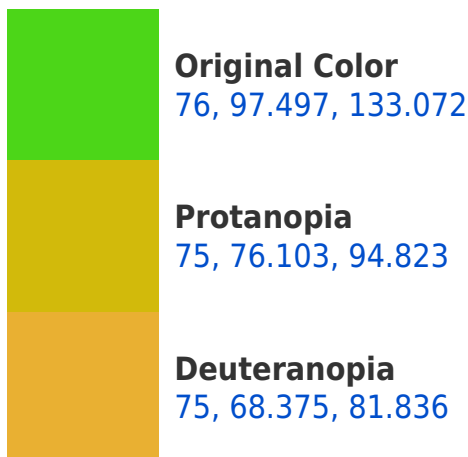


This preview shows how white text looks on a background with the CIELCh color 76, 97.642, 133.017.

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





Tritanopia
76, 26.827, 216.589

Trichromacy



Original Color
76, 97.497, 133.072



Protanomaly
74, 79.508, 113.917



Deuteranomaly
74, 71.164, 108.400



Tritanomaly
75, 48.720, 154.751

Monochromacy



Original Color
76, 97.497, 133.072



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 42.393, 134.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 97.642, 133.017 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(76, 214, 24)` looks like.

```
.text, #text, p{  
    color:rgb(76, 214, 24)  
}
```

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(76, 214, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 214, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 97.642, 133.017 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(76, 214, 24) }
```

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

```
.border{ border-color:rgb(76, 214, 24) }
```

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

Here you see how a box with a 4 pixel rgb(76, 214, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 214, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 214, 24);  
box-shadow:4px 4px 4px 4px rgb(76, 214,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 97.642, 133.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 214, 24) }
```

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

```
.background{ background-color: rgb(76, 214,  
24) }
```

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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