

Converting Colors

CIELCh(76, 71.806, 127.505)

Have a look what the booklet for
CIELCh(76, 71.806, 127.505)
contains.

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Color

CIELCh(76, 71.712, 127.655)

Conversions

Conversions Part 1

Format	Color
Hex	87CE4A
RGB	135, 206, 74
RGB Percent	53%, 81%, 29%
CMY	0.4699, 0.1915, 0.7091
CMYK	0.34, 0.00, 0.64, 0.19
HSL	92°, 57%, 55%
HSV	92°, 64%, 81%
XYZ	33.3735, 49.8872, 14.3781
YIQ	169.7230, 0.0560, -56.1040

Conversions

Conversions Part 2

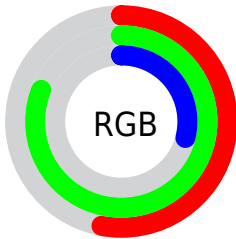
Format	Color
RYB	74, 206, 145
Decimal	8900170
CIELab	76.00, -43.81, 56.77
CIELCh	76, 71.712, 127.655
Yxy	49.8872, 0.3418, 0.5109
Android (android.graphics.Color)	4287090250 (0xFF87CE4A)
YUV	169.7230, -47.1914, -30.4521
Hunter-Lab	70.6309, -39.2618, 37.3721

Details

The CIELCh color **76, 71.712, 127.655** 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 **46, 78.160, 313.334**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 67.224, 126.607**, and **56, 71.664, 127.593** is the 20% darker color. If you saturate the color by 10%, you get **75, 80.413, 127.616**, and if you desaturate by 10%, it is **77, 61.753, 127.934**.

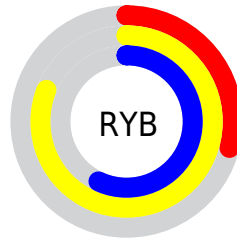
Distribution



Red (53%)

Green (81%)

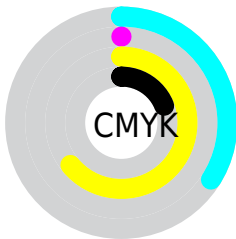
Blue (29%)



Red (29%)

Yellow (81%)

Blue (57%)

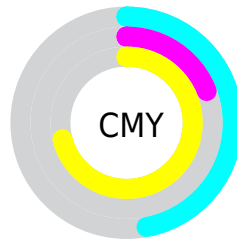


Cyan (34%)

Magenta (0%)

Yellow (64%)

Black (19%)



Cyan (47%)


Magenta (19%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 71.712, 127.655 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, 71.712, 127.655 by changing the saturation by 10% instead.


 76, 71.712,
127.655


 76, 71.712,
127.655


 100, 71.712,
127.655


 66, 71.712,
127.655


 96, 71.712,
127.655


 56, 71.712,
127.655

 46, 71.712,
127.655

 36, 71.712,
127.655

 26, 71.712,
127.655

 16, 71.712,
127.655

 6, 71.712, 127.655

0, 71.712, 127.655

76, 71.712,
127.655

76, 71.712,
127.655

75, 80.413,
127.616

77, 61.753,
127.934

75, 87.349,
127.941

78, 50.965,
128.344

74, 92.127,
128.739

79, 39.672,
128.815

74, 94.181,
129.361

80, 28.099,
129.301

81, 16.402,
129.776

82, 4.691, 130.241

■ 84, 6.957, 310.602

■ 85, 18.486,
310.985

■ 87, 27.554,
312.983

Harmonies

Complementary

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



76, 71.712, 127.655



46, 78.160, 313.334

Rectangle

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



76, 71.712, 127.655



76, 71.712, 177.655



76, 71.712, 307.655



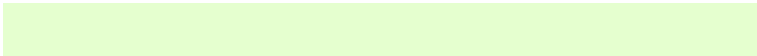
76, 71.712, 357.655

Sweetspot

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



76, 71.713, 127.656



97, 26.412, 129.531



65, 48.677, 70.473



51, 18.176, 129.392



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, 71.713, 127.656



91, 97.859, 127.693



74, 79.705, 139.552



42, 6.569, 129.990



61, 79.867, 129.111



13, 24.861, 131.794

Inverse Universe

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



46, 78.160, 313.334



50, 108.422, 313.568



54, 78.419, 328.635



40, 6.652, 310.775



26, 89.581, 312.885



3, 24.737, 308.089

Previews

White Background



This preview shows how the CIELCh color 76, 71.712, 127.655 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, 71.712, 127.655 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, 71.712, 127.655

Background



This preview shows how black text looks on a background with the CIELCh color 76, 71.712, 127.655.

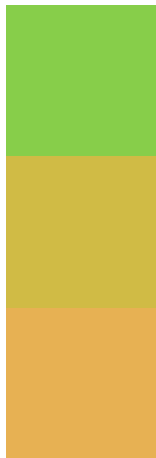


This preview shows how white text looks on a background with the CIELCh color 76, 71.712, 127.655.

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](#).

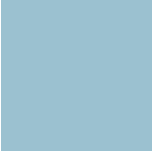
Dichromacy



Original Color
76, 71.712, 127.655

Protanopia
76, 60.404, 95.624

Deuteranopia
75, 55.330, 79.665



Tritanopia
76, 14.898, 231.638

Trichromacy



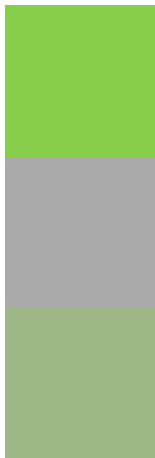
Original Color
76, 71.712, 127.655

Protanomaly
75, 61.804, 109.198

Deuteranomaly
75, 55.402, 101.263

Tritanomaly
76, 28.133, 149.380

Monochromacy



Original Color
76, 71.712, 127.655

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 27.858, 129.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 71.712, 127.655 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(135, 206, 74)` looks like.

```
.text, #text, p{  
    color:rgb(135, 206, 74)  
}
```

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(135, 206, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 206, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 71.712, 127.655 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(135, 206, 74) }
```

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

```
.border{ border-color:rgb(135, 206, 74) }
```

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

Here you see how a box with a 4 pixel rgb(135, 206, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 206, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 206, 74);  
box-shadow:4px 4px 4px 4px rgb(135, 206,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 71.712, 127.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 206, 74) }
```

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

```
.background{ background-color: rgb(135,  
206, 74) }
```

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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