

Converting Colors

CIELCh(77, 77.520, 132.053)

Have a look what the booklet for
CIELCh(77, 77.520, 132.053)
contains.

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Color

CIELCh(77, 77.529, 131.987)

Conversions

Conversions Part 1

Format	Color
Hex	76D44A
RGB	118, 212, 74
RGB Percent	46%, 83%, 29%
CMY	0.5366, 0.1679, 0.7091
CMYK	0.44, 0.00, 0.65, 0.17
HSL	101°, 62%, 56%
HSV	101°, 65%, 83%
XYZ	32.3220, 51.5317, 14.7505
YIQ	168.1620, -11.7260, -62.8460

Conversions

Conversions Part 2

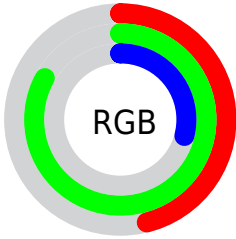
Format	Color
RYB	74, 212, 168
Decimal	7787594
CIELab	77.00, -51.86, 57.63
CIELCh	77, 77.529, 131.987
Yxy	51.5317, 0.3278, 0.5226
Android (android.graphics.Color)	4285977674 (0xFF76D44A)
YUV	168.1620, -46.4219, -43.9921
Hunter-Lab	71.7856, -45.2540, 38.0670

Details

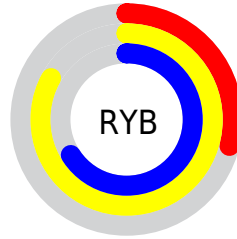
The CIELCh color **77, 77.529, 131.987** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **50, 81.295, 317.624**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 69.674, 130.833**, and **57, 77.744, 132.005** is the 20% darker color. If you saturate the color by 10%, you get **76, 86.601, 131.797**, and if you desaturate by 10%, it is **78, 67.029, 132.393**.

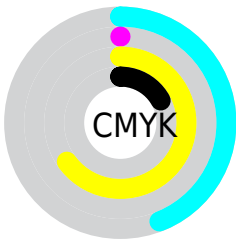
Distribution



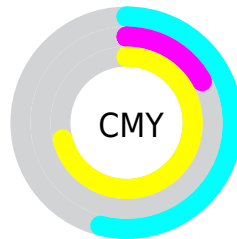
- Red (46%)
- Green (83%)
- Blue (29%)



- Red (29%)
- Yellow (83%)
- Blue (66%)



- Cyan (44%)
- Magenta (0%)
- Yellow (65%)
- Black (17%)



- Cyan (54%)
- Magenta (17%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 77.529, 131.987 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 77, 77.529, 131.987 by changing the saturation by 10% instead.

■ 77, 77.529,
131.987

■ 77, 77.529,
131.987

■ 100, 77.529,
131.987

■ 67, 77.529,
131.987

■ 97, 77.529,
131.987

■ 57, 77.529,
131.987

■ 47, 77.529,
131.987

■ 37, 77.529,
131.987

■ 27, 77.529,
131.987

■ 17, 77.529,
131.987

■ 7, 77.529, 131.987

■ 0, 77.529, 131.987

■ 77, 77.529,
131.987

■ 77, 77.529,
131.987

■ 76, 86.601,
131.797

■ 78, 67.029,
132.393

■ 76, 93.707,
131.950

■ 79, 55.580,
132.903

■ 75, 98.449,
132.545

■ 80, 43.547,
133.447

■ 75, 100.149,
132.914

■ 81, 31.196,
133.981

■ 83, 18.717,
134.482

■ 84, 6.246, 134.954

■ 86, 6.121, 315.298

■ 88, 18.316,
315.672

■ 89, 25.648,
320.825

Harmonies

Complementary

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



77, 77.529, 131.987



50, 81.295, 317.624

Rectangle

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



77, 77.529, 131.987



77, 77.529, 181.987



77, 77.529, 311.987



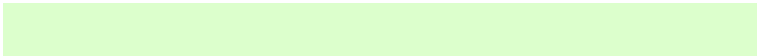
77, 77.529, 1.987

Sweetspot

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



77, 77.530, 131.988



96, 28.916, 134.228



71, 53.230, 82.268



51, 19.732, 134.084



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 77.530, 131.988



90, 102.867, 131.808



76, 75.819, 142.958



44, 7.101, 134.748



62, 85.019, 132.716



15, 29.386, 134.485

Inverse Universe

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



50, 81.295, 317.624



53, 108.147, 317.644



55, 74.194, 333.585



42, 7.162, 315.510



31, 88.987, 316.831



4, 30.480, 315.959

Previews

White Background



This preview shows how the CIELCh color 77, 77.529, 131.987 looks on a white background.

Color Contrast Check

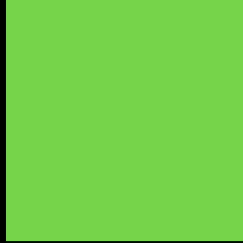
Large Text (above 18pt) WCAG AA × Fail

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 77, 77.529, 131.987 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 77, 77.529, 131.987

Background



This preview shows how black text looks on a background with the CIELCh color 77, 77.529, 131.987.

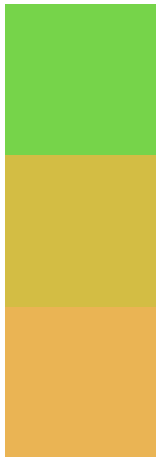


This preview shows how white text looks on a background with the CIELCh color 77, 77.529, 131.987.

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
77, 77.529, 131.987

Protanopia
76, 61.685, 95.331

Deuteranopia
77, 56.067, 80.075

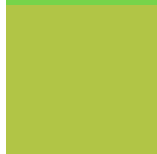


Tritanopia
77, 19.870, 222.285

Trichromacy



Original Color
77, 77.529, 131.987



Protanomaly
76, 63.803, 112.021



Deuteranomaly
76, 56.957, 104.787



Tritanomaly
77, 33.855, 156.538

Monochromacy



Original Color
77, 77.529, 131.987



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 30.131, 133.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 77.529, 131.987 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(118, 212, 74)` looks like.

```
.text, #text, p{  
    color:rgb(118, 212, 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(118, 212, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 212, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 77.529, 131.987 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(118, 212, 74) }
```

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

```
.border{ border-color:rgb(118, 212, 74) }
```

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

Here you see how a box with a 4 pixel rgb(118, 212, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 212, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 212, 74);  
box-shadow:4px 4px 4px 4px rgb(118, 212,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 77.529, 131.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 212, 74) }
```

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

```
.background{ background-color: rgb(118,  
212, 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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