

Converting Colors

Yxy(77.4386, 0.3703, 0.5018)

Have a look what the booklet for
Yxy(77.4386, 0.3703, 0.5018)
contains.

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Color

Yxy(77.3012, 0.3706, 0.5016)

Conversions

Conversions Part 1

Format	Color
Hex	C6F451
RGB	198, 244, 81
RGB Percent	78%, 96%, 32%
CMY	0.2238, 0.0431, 0.6823
CMYK	0.19, 0.00, 0.67, 0.04
HSL	77°, 88%, 64%
HSV	77°, 67%, 96%
XYZ	57.1129, 77.3012, 19.6952
YIQ	211.6640, 24.9070, -60.4450

Conversions

Conversions Part 2

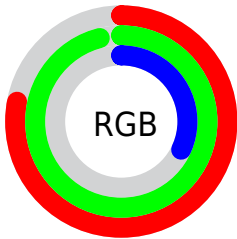
Format	Color
RYB	81, 244, 127
Decimal	13038673
CIELab	90.46, -36.95, 70.44
CIElCh	90, 79.548, 117.682
Yxy	77.3012, 0.3706, 0.5016
Android (android.graphics.Color)	4291228753 (0xFFC6F451)
YUV	211.6640, -64.4174, -11.9833
Hunter-Lab	87.9211, -37.9097, 48.2632

Details

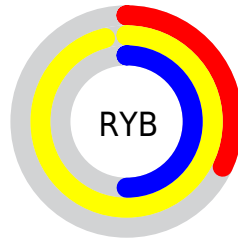
The Yxy color **77.3012, 0.3706, 0.5016** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **16.9372, 0.2118, 0.1280**, and the grayscale version is **66.0221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **41.5528, 0.3742, 0.5395** is the 20% darker color. If you saturate the color by 10%, you get **76.0862, 0.3731, 0.5201**, and if you desaturate by 10%, it is **78.6973, 0.3656, 0.4791**.

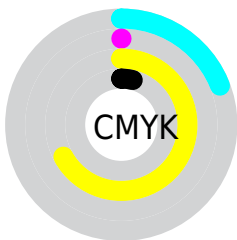
Distribution



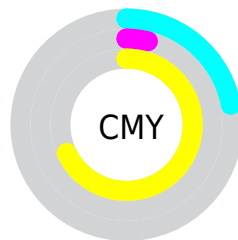
- Red (78%)
- Green (96%)
- Blue (32%)



- Red (32%)
- Yellow (96%)
- Blue (50%)



- Cyan (19%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)




- Cyan (22%)
- Magenta (4%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3012, 0.3706, 0.5016 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 Yxy color 77.3012, 0.3706, 0.5016 by changing the saturation by 10% instead.


 77.3012, 0.3706,
0.5016


 77.3012, 0.3706,
0.5016


485.7904, 0.3504,
0.4215

 57.5001, 0.3730,
0.5188


 129.5646, 0.3653,
0.4745

 41.4069, 0.3747,
0.5392


 162.7956, 0.3627,
0.4637

 28.6372, 0.3748,
0.5633


 201.2722, 0.3603,
0.4543

 18.8065, 0.3716,
0.5916

 245.3785, 0.3580,
0.4461

 11.5306, 0.3671,
0.6329

295.4991, 0.3559,
0.4388

 6.4249, 0.3401,
0.6599

352.0184, 0.3539,

 3.1051, 0.2984,

0.4324

0.7016

415.3207, 0.3521,
0.4267

■ 1.1869, 0.1433,
0.8567

■ 0.0509, 0.0000,
1.0000

■ 77.3012, 0.3706,
0.5016

■ 77.3012, 0.3706,
0.5016

■ 76.0862, 0.3731,
0.5201

■ 78.6973, 0.3656,
0.4791

■ 75.0265, 0.3730,
0.5338


■ 80.2773, 0.3586,
0.4537

■ 74.1061, 0.3705,
0.5427


■ 82.0563, 0.3500,
0.4267


■ 73.8317, 0.3694,
0.5449


■ 84.0450, 0.3403,
0.3991

 86.2531, 0.3301,
0.3719

 88.6896, 0.3197,
0.3458

 91.3631, 0.3095,
0.3214

 92.8384, 0.3120,
0.3185

 93.1929, 0.3132,
0.3185

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3012, 0.4475, 0.4610



77.3012, 0.3706, 0.5016



77.3012, 0.2835, 0.4797

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3012, 0.3706, 0.5016



77.3012, 0.1582, 0.2229



77.3012, 0.4169, 0.2716

Complementary

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



77.3012, 0.3706, 0.5016



16.9372, 0.2118, 0.1280

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3012, 0.3207, 0.2239



77.3012, 0.3706, 0.5016



77.3012, 0.1812, 0.1947

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3012, 0.3706, 0.5016



77.3012, 0.1664, 0.2887



77.3012, 0.2358, 0.1967



77.3012, 0.4841, 0.3318

Rectangle

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



77.3012, 0.3706, 0.5016



77.3012, 0.2310, 0.4240



77.3012, 0.2358, 0.1967



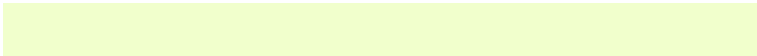
77.3012, 0.3858, 0.2538

Sweetspot

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



77.3047, 0.3706, 0.5016



94.5072, 0.3334, 0.3806



34.3657, 0.4984, 0.3718



20.0808, 0.3363, 0.3883



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.3047, 0.3706, 0.5016



83.6746, 0.3733, 0.5253



69.2320, 0.3197, 0.5340



19.0645, 0.3225, 0.3527



40.2109, 0.3702, 0.5443



3.5858, 0.3765, 0.5392

Inverse Universe

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



16.9372, 0.2118, 0.1280



12.8177, 0.1902, 0.0956



25.5379, 0.2823, 0.1612



16.1535, 0.3023, 0.3048



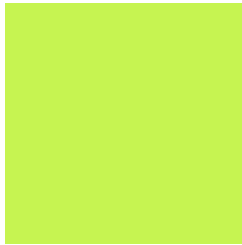
4.2982, 0.1681, 0.0699



0.4275, 0.1809, 0.0770

Previews

White Background



This preview shows how the Yxy color 77.3012, 0.3706, 0.5016 looks on a white background.

Color Contrast Check

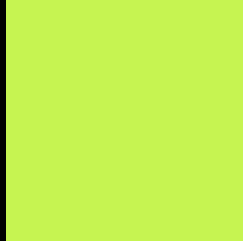
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 77.3012, 0.3706, 0.5016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

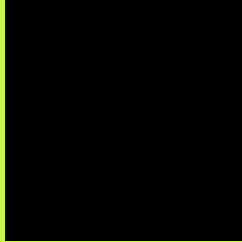
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3012, 0.3706, 0.5016

Background



This preview shows how black text looks on a background with the Yxy color 77.3012, 0.3706, 0.5016.



This preview shows how white text looks on a background with the Yxy color 77.3012, 0.3706, 0.5016.

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

77.3012, 0.3706, 0.5016

Protanopia

76.5448, 0.4240, 0.4657

Deuteranopia

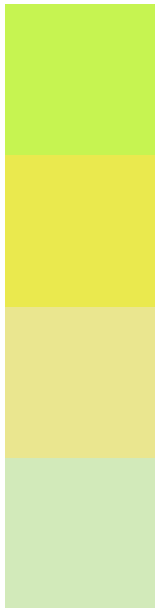
76.7572, 0.3670, 0.3731



Tritanopia

76.8923, 0.2942, 0.3100

Trichromacy



Original Color

77.3012, 0.3706, 0.5016

Protanomaly

76.3203, 0.4045, 0.4791

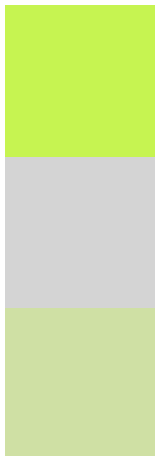
Deuteranomaly

76.0692, 0.3725, 0.4217

Tritanomaly

76.0924, 0.3265, 0.3830

Monochromacy



Original Color

77.3012, 0.3706, 0.5016

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

69.2570, 0.3401, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3012, 0.3706, 0.5016 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(198, 244, 81)` looks like.

```
.text, #text, p{  
    color:rgb(198, 244, 81)  
}
```

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(198, 244, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 244, 81) }
```

Border

The CSS property to change the border of an element to Yxy 77.3012, 0.3706, 0.5016 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(198, 244, 81) }
```

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

```
.border{ border-color:rgb(198, 244, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 244, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 244, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 244, 81);  
box-shadow:4px 4px 4px 4px rgb(198, 244,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3012, 0.3706, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 244, 81) }
```

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

```
.background{ background-color: rgb(198,  
244, 81) }
```

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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