

Converting Colors

$Y_{xy}(76.6282, 0.3823, 0.5347)$

Have a look what the booklet for
Yxy(76.6282, 0.3823, 0.5347)
contains.

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Color

Yxy(76.7741, 0.3823, 0.5346)

Conversions

Conversions Part 1

Format	Color
Hex	C2F500
RGB	194, 245, 0
RGB Percent	76%, 96%, 0%
CMY	0.2392, 0.0392, 0.9987
CMYK	0.21, 0.00, 1.00, 0.04
HSL	73°, 100%, 48%
HSV	73°, 100%, 96%
XYZ	54.9022, 76.7741, 11.9340
YIQ	201.8210, 48.2490, -87.0070

Conversions

Conversions Part 2

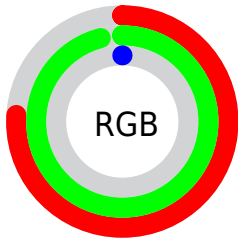
Format	Color
RYB	0, 245, 51
Decimal	12776704
CIELab	90.22, -41.42, 87.42
CIELCh	90, 96.739, 115.354
Yxy	76.7741, 0.3823, 0.5346
Android (android.graphics.Color)	4290966784 (0xFFC2F500)
YUV	201.8210, -99.4978, -6.8590
Hunter-Lab	87.6208, -41.4903, 53.2592

Details

The Yxy color **76.7741, 0.3823, 0.5346** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3131, 0.1595, 0.0653**, and the grayscale version is **59.5819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **41.5461, 0.3696, 0.5447** is the 20% darker color. If you saturate the color by 10%, you get **76.7674, 0.3823, 0.5347**, and if you desaturate by 10%, it is **77.5338, 0.3841, 0.5280**.

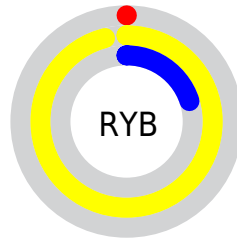
Distribution



Red (76%)

Green (96%)

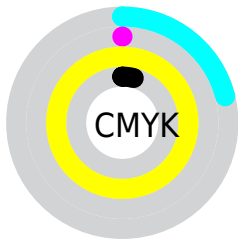
Blue (0%)



Red (0%)

Yellow (96%)

Blue (20%)

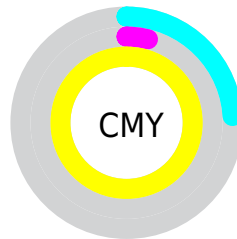


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (24%)


Magenta (4%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7741, 0.3823, 0.5346 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 76.7741, 0.3823, 0.5346 by changing the saturation by 10% instead.


 76.7741, 0.3823,
0.5346


 76.7741, 0.3823,
0.5346


483.9935, 0.3615,
0.4422

 57.0675, 0.3833,
0.5530


 128.8206, 0.3780,
0.5044

 41.0594, 0.3826,
0.5738


 161.9292, 0.3755,
0.4920


 28.3655, 0.3787,
0.5969


 200.2739, 0.3729,
0.4811

 18.6014, 0.3726,
0.6274

 244.2392, 0.3704,
0.4714

 11.3826, 0.3513,
0.6487

 294.2094, 0.3680,
0.4629

 6.3248, 0.3208,
0.6792


 350.5689, 0.3657,


 3.0436, 0.2737,


0.4552


413.7022, 0.3635,
0.4484

0.7263


 1.1545, 0.0524,
0.9476


 0.0241, 0.0000,
1.0000


 76.7741, 0.3823,
0.5346


 76.7741, 0.3823,
0.5346

 76.7674, 0.3823,
0.5347

 77.5338, 0.3841,
0.5280

 78.3999, 0.3838,
0.5172

 79.4022, 0.3808,
0.5017

 80.5567, 0.3753,
0.4819

■ 81.8772, 0.3675,
0.4587

■ 83.3754, 0.3579,
0.4332

■ 85.0621, 0.3472,
0.4065

■ 86.9471, 0.3357,
0.3797

■ 89.0392, 0.3241,
0.3536

Harmonies

Analogous

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



76.7741, 0.4727, 0.4727



76.7741, 0.3823, 0.5346



76.7741, 0.2808, 0.5238

Triad

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



76.7741, 0.3823, 0.5346



76.7741, 0.1332, 0.2057



76.7741, 0.4301, 0.2550

Complementary

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



76.7741, 0.3823, 0.5346



7.3131, 0.1595, 0.0653

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.



76.7741, 0.3118, 0.2028



76.7741, 0.3823, 0.5346



76.7741, 0.1563, 0.1731

Square

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



76.7741, 0.3823, 0.5346



76.7741, 0.1434, 0.2848



76.7741, 0.2146, 0.1741



76.7741, 0.5162, 0.3215

Rectangle

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



76.7741, 0.3823, 0.5346



76.7741, 0.2189, 0.4573



76.7741, 0.2146, 0.1741



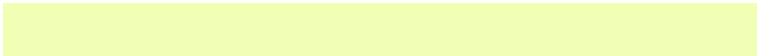
76.7741, 0.3911, 0.2355

Sweetspot

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



76.7776, 0.3823, 0.5346



93.1144, 0.3474, 0.4071



21.6337, 0.6199, 0.3459



19.7581, 0.3520, 0.4184



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.



76.7776, 0.3823, 0.5346



84.0545, 0.3822, 0.5347



66.7536, 0.3131, 0.5895



19.1290, 0.3236, 0.3526



41.4160, 0.3829, 0.5342



3.6828, 0.3877, 0.5304

Inverse Universe

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



7.3131, 0.1595, 0.0653



7.9812, 0.1592, 0.0651



15.3264, 0.2451, 0.1124



16.0931, 0.3012, 0.3047



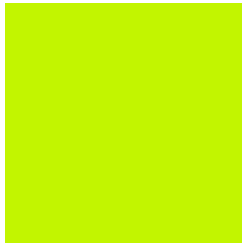
3.9791, 0.1605, 0.0658



0.3920, 0.1718, 0.0720

Previews

White Background



This preview shows how the Yxy color 76.7741, 0.3823, 0.5346 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 76.7741, 0.3823, 0.5346 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 76.7741, 0.3823, 0.5346

Background



This preview shows how black text looks on a background with the Yxy color 76.7741, 0.3823, 0.5346.



This preview shows how white text looks on a background with the Yxy color 76.7741, 0.3823, 0.5346.

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

76.7741, 0.3823, 0.5346

Protanopia

76.2820, 0.4379, 0.4847

Deuteranopia

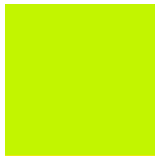
76.0289, 0.3708, 0.3772



Tritanopia

76.5877, 0.2930, 0.3099

Trichromacy



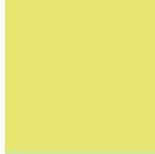
Original Color

76.7741, 0.3823, 0.5346



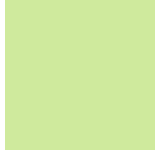
Protanomaly

76.2129, 0.4173, 0.5037



Deuteranomaly

75.0650, 0.3903, 0.4523



Tritanomaly

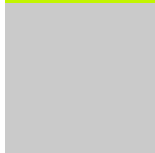
74.5454, 0.3424, 0.4168

Monochromacy



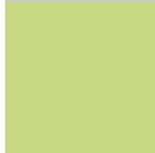
Original Color

76.7741, 0.3823, 0.5346



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.8699, 0.3583, 0.4351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7741, 0.3823, 0.5346 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(194, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 245, 0)  
}
```

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(194, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.7741, 0.3823, 0.5346 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(194, 245, 0) }
```

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

```
.border{ border-color:rgb(194, 245, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 245,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7741, 0.3823, 0.5346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 245, 0) }
```

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

```
.background{ background-color: rgb(194,  
245, 0) }
```

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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