

Converting Colors

$Y_{xy}(77.3912, 0.3591, 0.4748)$

Have a look what the booklet for
Yxy(77.3912, 0.3591, 0.4748)
contains.

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Color

Yxy(77.4132, 0.3588, 0.4746)

Conversions

Conversions Part 1

Format	Color
Hex	C7F370
RGB	199, 243, 112
RGB Percent	78%, 95%, 44%
CMY	0.2196, 0.0470, 0.5609
CMYK	0.18, 0.00, 0.54, 0.05
HSL	80°, 85%, 70%
HSV	80°, 54%, 95%
XYZ	58.5248, 77.4132, 27.1745
YIQ	214.9100, 15.8270, -50.0690

Conversions

Conversions Part 2

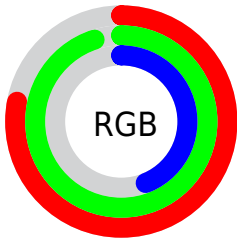
Format	Color
RYB	112, 243, 156
Decimal	13103984
CIELab	90.51, -33.73, 57.72
CIElCh	91, 66.851, 120.299
Yxy	77.4132, 0.3588, 0.4746
Android (android.graphics.Color)	4291294064 (0xFFC7F370)
YUV	214.9100, -50.7346, -13.9531
Hunter-Lab	87.9848, -35.2406, 43.2773

Details

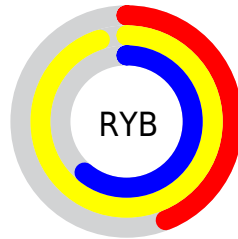
The Yxy color **77.4132, 0.3588, 0.4746** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.1174, 0.2401, 0.1691**, and the grayscale version is **68.2312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **41.5969, 0.3632, 0.5088** is the 20% darker color. If you saturate the color by 10%, you get **75.8599, 0.3635, 0.4991**, and if you desaturate by 10%, it is **79.1793, 0.3522, 0.4477**.

Distribution



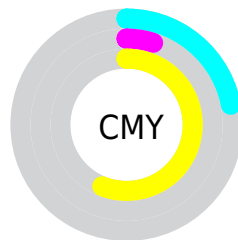
- Red (78%)
- Green (95%)
- Blue (44%)



- Red (44%)
- Yellow (95%)
- Blue (61%)



- Cyan (18%)
- Magenta (0%)
- Yellow (54%)
- Black (5%)





- Cyan (22%)
- Magenta (5%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4132, 0.3588, 0.4746 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 77.4132, 0.3588, 0.4746 by changing the saturation by 10% instead.


 77.4132, 0.3588,
0.4746


 77.4132, 0.3588,
0.4746


486.1717, 0.3416,
0.4060

 57.5921, 0.3614,
0.4900


 129.7226, 0.3539,
0.4509

 41.4808, 0.3638,
0.5086


 162.9796, 0.3516,
0.4416

 28.6949, 0.3655,
0.5315


 201.4841, 0.3496,
0.4336

 18.8502, 0.3655,
0.5598

245.6204, 0.3477,
0.4266

 11.5621, 0.3615,
0.5948

295.7729, 0.3460,
0.4205

 6.4462, 0.3536,
0.6464


352.3260, 0.3444,


 3.1183, 0.3155,


0.4151


0.6845


415.6642, 0.3429,
0.4103


 1.1938, 0.1915,
0.8085

 0.0566, 0.0000,
1.0000


 77.4132, 0.3588,
0.4746


 77.4132, 0.3588,
0.4746


 75.8599, 0.3635,
0.4991


 79.1793, 0.3522,
0.4477

 74.4960, 0.3658,
0.5199

 81.1596, 0.3442,
0.4196

 73.3102, 0.3656,
0.5361

 83.3680, 0.3353,
0.3916


 72.2844, 0.3629,
0.5472

 85.8142, 0.3259,
0.3644

 71.7238, 0.3604,
0.5520

 88.5076, 0.3164,
0.3386

 91.2771, 0.3087,
0.3173

 92.5868, 0.3133,
0.3175

Harmonies

Analogous

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



77.4132, 0.4256, 0.4488



77.4132, 0.3588, 0.4746



77.4132, 0.2837, 0.4478

Triad

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



77.4132, 0.3588, 0.4746



77.4132, 0.1790, 0.2357



77.4132, 0.4069, 0.2848

Complementary

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



77.4132, 0.3588, 0.4746



25.1174, 0.2401, 0.1691

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.



77.4132, 0.3274, 0.2410



77.4132, 0.3588, 0.4746



77.4132, 0.2020, 0.2120

Square

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



77.4132, 0.3588, 0.4746



77.4132, 0.1846, 0.2906



77.4132, 0.2530, 0.2152



77.4132, 0.4599, 0.3392

Rectangle

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



77.4132, 0.3588, 0.4746



77.4132, 0.2391, 0.4004



77.4132, 0.2530, 0.2152



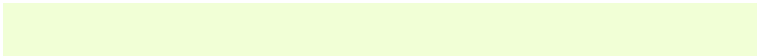
77.4132, 0.3818, 0.2686

Sweetspot

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



77.4166, 0.3588, 0.4746



95.1381, 0.3279, 0.3700



43.8830, 0.4433, 0.3762



20.2407, 0.3298, 0.3756



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.



77.4166, 0.3588, 0.4746



84.4321, 0.3639, 0.5019



70.3279, 0.3161, 0.4965



19.0186, 0.3217, 0.3527



39.4381, 0.3613, 0.5513



3.5224, 0.3687, 0.5455

Inverse Universe

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



25.1174, 0.2401, 0.1691



20.4194, 0.2213, 0.1357



33.4500, 0.2982, 0.1924



16.1971, 0.3032, 0.3049



4.5928, 0.1748, 0.0737



0.4577, 0.1883, 0.0811

Previews

White Background



This preview shows how the Yxy color 77.4132, 0.3588, 0.4746 looks on a white background.

Color Contrast Check

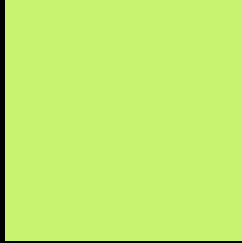
Large Text (above 18pt) WCAG AA × Fail

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 77.4132, 0.3588, 0.4746 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 77.4132, 0.3588, 0.4746

Background



This preview shows how black text looks on a background with the Yxy color 77.4132, 0.3588, 0.4746.

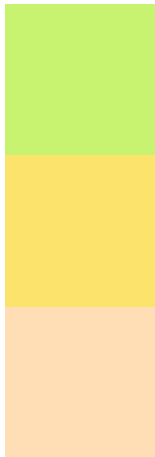


This preview shows how white text looks on a background with the Yxy color 77.4132, 0.3588, 0.4746.

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

77.4132, 0.3588, 0.4746

Protanopia

76.6952, 0.4086, 0.4460

Deuteranopia

76.8800, 0.3648, 0.3700



Tritanopia

77.3530, 0.2930, 0.3100

Trichromacy



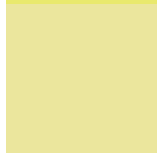
Original Color

77.4132, 0.3588, 0.4746



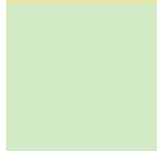
Protanomaly

76.7056, 0.3898, 0.4565



Deuteranomaly

76.6901, 0.3643, 0.4070



Tritanomaly

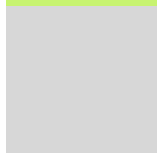
76.6245, 0.3189, 0.3692

Monochromacy



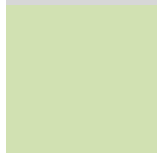
Original Color

77.4132, 0.3588, 0.4746



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.6201, 0.3322, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4132, 0.3588, 0.4746 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(199, 243, 112)` looks like.

```
.text, #text, p{  
    color:rgb(199, 243, 112)  
}
```

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(199, 243, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 243, 112) }
```

Border

The CSS property to change the border of an element to Yxy 77.4132, 0.3588, 0.4746 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(199, 243, 112) }
```

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

```
.border{ border-color:rgb(199, 243, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 243, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 243, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 243, 112); box-shadow:4px 4px 4px 4px rgb(199, 243, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4132, 0.3588, 0.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 243, 112) }
```

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

```
.background{ background-color: rgb(199,  
243, 112) }
```

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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