

Converting Colors

$Yxy(76.2857, 0.2696, 0.4411)$

Have a look what the booklet for
Yxy(76.2857, 0.2696, 0.4411)
contains.

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Color

Yxy(76.2694, 0.2698, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	54FFA9
RGB	84, 255, 169
RGB Percent	33%, 100%, 66%
CMY	0.6705, 0.0000, 0.3374
CMYK	0.67, 0.00, 0.34, 0.00
HSL	150°, 100%, 66%
HSV	150°, 67%, 100%
XYZ	46.5765, 76.2694, 49.7874
YIQ	194.0670, -74.3100, -62.9980

Conversions

Conversions Part 2

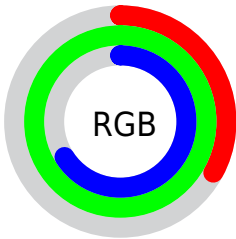
Format	Color
RYB	84, 198, 255
Decimal	5570473
CIELab	89.98, -62.63, 28.65
CIELCh	90, 68.874, 155.419
Yxy	76.2694, 0.2698, 0.4418
Android (android.graphics.Color)	4283760553 (0xFF54FFA9)
YUV	194.0670, -12.3580, -96.5288
Hunter-Lab	87.3324, -57.6332, 27.3319

Details

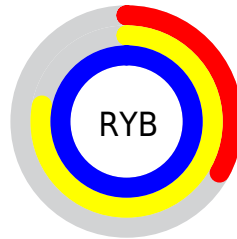
The Yxy color **76.2694, 0.2698, 0.4418** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.5083, 0.4187, 0.2472**, and the grayscale version is **54.0996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5356, 0.2704, 0.3636**, and **41.1935, 0.2640, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **74.8404, 0.2687, 0.4618**, and if you desaturate by 10%, it is **78.1736, 0.2728, 0.4219**.

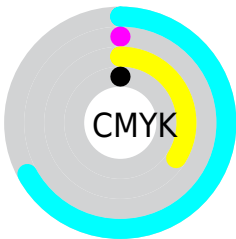
Distribution



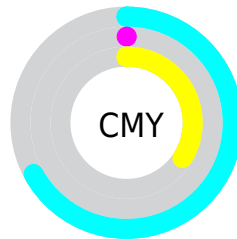
- Red (33%)
- Green (100%)
- Blue (66%)



- Red (33%)
- Yellow (78%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2694, 0.2698, 0.4418 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 76.2694, 0.2698, 0.4418 by changing the saturation by 10% instead.


 76.2694, 0.2698,
0.4418


 76.2694, 0.2698,
0.4418


482.2694, 0.2914,
0.3862


 56.6534, 0.2645,
0.4553


 128.1076, 0.2776,
0.4219


 40.7271, 0.2576,
0.4723


 161.0987, 0.2806,
0.4143

 28.1059, 0.2487,
0.4945


 199.3170, 0.2831,
0.4079

 18.4055, 0.2364,
0.5245

 243.1468, 0.2852,
0.4023

 11.2415, 0.2187,
0.5668

292.9725, 0.2870,
0.3975

 6.2295, 0.1916,
0.6298


349.1786, 0.2887,


 2.9851, 0.1447,


0.3933


0.7529

412.1494, 0.2901,
0.3896


 1.1240, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 76.2694, 0.2698,
0.4418


 76.2694, 0.2698,
0.4418


 74.8404, 0.2687,
0.4618


 78.1736, 0.2728,
0.4219


 73.8363, 0.2697,
0.4814


 80.5963, 0.2775,
0.4026

 73.1932, 0.2726,
0.4999

 83.5752, 0.2836,
0.3843

 73.0444, 0.2737,
0.5051

 87.1447, 0.2908,
0.3674

 91.3364, 0.2986,
0.3519

 96.1794, 0.3068,
0.3379

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.2694, 0.3466, 0.4797



76.2694, 0.2698, 0.4418



76.2694, 0.2089, 0.3581

Triad

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



76.2694, 0.2698, 0.4418



76.2694, 0.2056, 0.2073



76.2694, 0.4696, 0.3490

Complementary

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



76.2694, 0.2698, 0.4418



30.5083, 0.4187, 0.2472

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.



76.2694, 0.4225, 0.2922



76.2694, 0.2698, 0.4418



76.2694, 0.2626, 0.2149

Square

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



76.2694, 0.2698, 0.4418



76.2694, 0.1771, 0.2263



76.2694, 0.3423, 0.2449



76.2694, 0.4656, 0.4082

Rectangle

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



76.2694, 0.2698, 0.4418



76.2694, 0.1845, 0.3012



76.2694, 0.3423, 0.2449



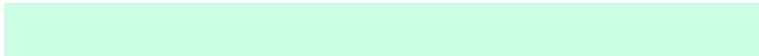
76.2694, 0.4593, 0.3295

Sweetspot

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



76.2693, 0.2698, 0.4418



90.0335, 0.2962, 0.3563



80.9720, 0.3478, 0.5171



19.0163, 0.2940, 0.3606



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.



76.2693, 0.2698, 0.4418



74.5025, 0.2688, 0.4677



80.4437, 0.2354, 0.3321



20.3187, 0.3048, 0.3412



38.1974, 0.2728, 0.5022



3.7412, 0.2670, 0.4813

Inverse Universe

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



30.5083, 0.4187, 0.2472



25.9489, 0.4505, 0.2424



28.2901, 0.5337, 0.3273



18.1396, 0.3215, 0.3171



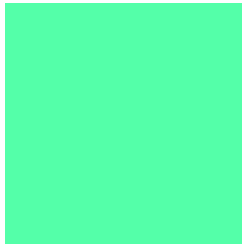
11.9576, 0.4951, 0.2501



1.1863, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 76.2694, 0.2698, 0.4418 looks on a white background.

Color Contrast Check

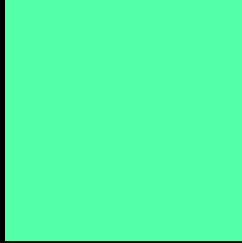
Large Text (above 18pt) WCAG AA × Fail

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 76.2694, 0.2698, 0.4418 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 76.2694, 0.2698, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 76.2694, 0.2698, 0.4418.

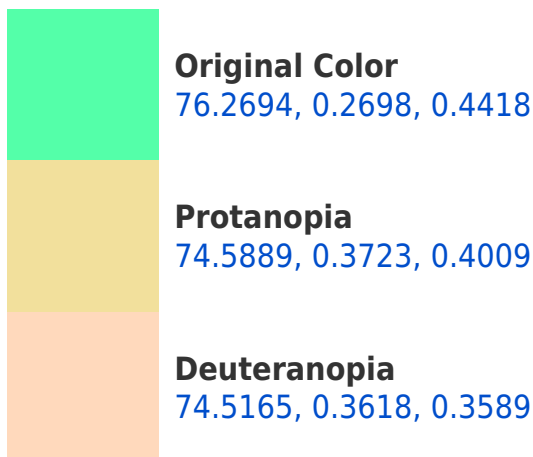


This preview shows how white text looks on a background with the Yxy color 76.2694, 0.2698, 0.4418.

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





Tritanopia

75.4370, 0.2532, 0.3106

Trichromacy



Original Color

76.2694, 0.2698, 0.4418



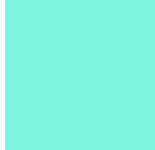
Protanomaly

72.3042, 0.3242, 0.4175



Deuteranomaly

71.8255, 0.3181, 0.3878



Tritanomaly

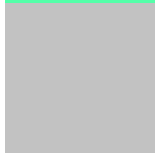
75.1223, 0.2581, 0.3544

Monochromacy



Original Color

76.2694, 0.2698, 0.4418



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4845, 0.2896, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2694, 0.2698, 0.4418 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(84, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(84, 255, 169)  
}
```

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(84, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 255, 169) }
```

Border

The CSS property to change the border of an element to Yxy 76.2694, 0.2698, 0.4418 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(84, 255, 169) }
```

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

```
.border{ border-color:rgb(84, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(84, 255,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2694, 0.2698, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 255, 169) }
```

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

```
.background{ background-color: rgb(84, 255,  
169) }
```

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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