

Converting Colors

$Yxy(76.7881, 0.2870, 0.4672)$

Have a look what the booklet for
Yxy(76.7881, 0.2870, 0.4672)
contains.

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Color

Yxy(76.7839, 0.2871, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	6BFF94
RGB	107, 255, 148
RGB Percent	42%, 100%, 58%
CMY	0.5802, 0.0000, 0.4196
CMYK	0.58, 0.00, 0.42, 0.00
HSL	137°, 100%, 71%
HSV	137°, 58%, 100%
XYZ	47.1745, 76.7839, 40.3555
YIQ	198.5500, -53.8610, -64.6530

Conversions

Conversions Part 2

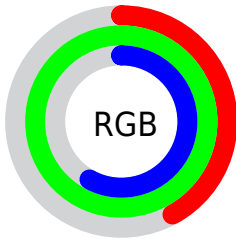
Format	Color
RYB	107, 223, 255
Decimal	7077780
CIELab	90.22, -61.98, 39.48
CIElCh	90, 73.483, 147.503
Yxy	76.7839, 0.2871, 0.4673
Android (android.graphics.Color)	4285267860 (0xFF6BFF94)
YUV	198.5500, -24.9212, -80.2894
Hunter-Lab	87.6264, -57.2490, 34.0331

Details

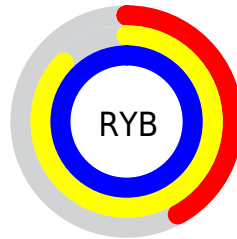
The Yxy color **76.7839, 0.2871, 0.4673** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.6451, 0.3600, 0.2249**, and the grayscale version is **57.0151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2668, 0.2904, 0.3890**, and **41.0382, 0.2774, 0.5040** is the 20% darker color. If you saturate the color by 10%, you get **74.8934, 0.2856, 0.4952**, and if you desaturate by 10%, it is **79.2397, 0.2899, 0.4393**.

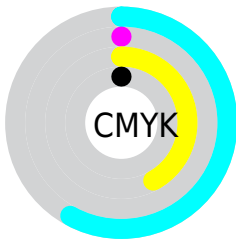
Distribution



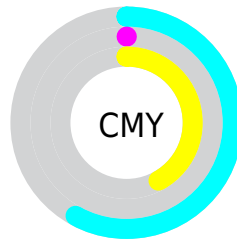
- Red (42%)
- Green (100%)
- Blue (58%)



- Red (42%)
- Yellow (87%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7839, 0.2871, 0.4673 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 76.7839, 0.2871, 0.4673 by changing the saturation by 10% instead.


 76.7839, 0.2871,
0.4673

 76.7839, 0.2871,
0.4673


484.0269, 0.3018,
0.3989


 57.0755, 0.2830,
0.4839


 128.8344, 0.2928,
0.4428

 41.0659, 0.2775,
0.5047


 161.9453, 0.2948,
0.4335

 28.3706, 0.2700,
0.5318


 200.2925, 0.2965,
0.4255

 18.6052, 0.2590,
0.5679

244.2604, 0.2979,
0.4187

 11.3853, 0.2421,
0.6178

294.2334, 0.2991,
0.4128

 6.3267, 0.2143,
0.6895


350.5959, 0.3001,


 3.0447, 0.1680,


0.4076


0.8320


413.7323, 0.3010,
0.4030


 1.1551, 0.0000,
1.0000


 0.0246, 0.0000,
1.0000


 76.7839, 0.2871,
0.4673


 76.7839, 0.2871,
0.4673


 74.8934, 0.2856,
0.4952


 79.2397, 0.2899,
0.4393

 73.5121, 0.2858,
0.5216

 82.2925, 0.2938,
0.4124


 72.5884, 0.2875,
0.5452

 85.9829, 0.2983,
0.3872

 72.0494, 0.2905,
0.5647

 90.3450, 0.3033,
0.3643

 71.9687, 0.2911,
0.5681

 95.4105, 0.3085,
0.3438

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



76.7839, 0.3688, 0.4889



76.7839, 0.2871, 0.4673



76.7839, 0.2168, 0.3853

Triad

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



76.7839, 0.2871, 0.4673



76.7839, 0.1890, 0.2031



76.7839, 0.4714, 0.3327

Complementary

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



76.7839, 0.2871, 0.4673



36.6451, 0.3600, 0.2249

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.



76.7839, 0.4089, 0.2753



76.7839, 0.2871, 0.4673



76.7839, 0.2408, 0.2044

Square

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



76.7839, 0.2871, 0.4673



76.7839, 0.1673, 0.2306



76.7839, 0.3200, 0.2301



76.7839, 0.4808, 0.3947

Rectangle

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



76.7839, 0.2871, 0.4673



76.7839, 0.1857, 0.3216



76.7839, 0.3200, 0.2301



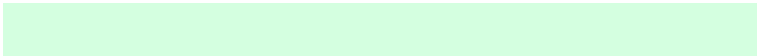
76.7839, 0.4557, 0.3128

Sweetspot

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



76.7871, 0.2871, 0.4673



90.8279, 0.3039, 0.3621



87.1120, 0.3681, 0.4814



19.2384, 0.3028, 0.3665



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.



76.7871, 0.2871, 0.4673



74.5812, 0.2855, 0.5006



79.8413, 0.2547, 0.3710



20.2508, 0.3078, 0.3467



37.6273, 0.2904, 0.5653



3.6812, 0.2843, 0.5435

Inverse Universe

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



36.6451, 0.3600, 0.2249



30.9342, 0.3736, 0.2103



33.7280, 0.4492, 0.2951



18.2095, 0.3181, 0.3120



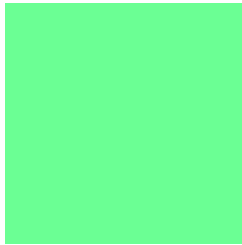
12.9527, 0.4062, 0.2011



1.2797, 0.3942, 0.1945

Previews

White Background



This preview shows how the Yxy color 76.7839, 0.2871, 0.4673 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 76.7839, 0.2871, 0.4673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

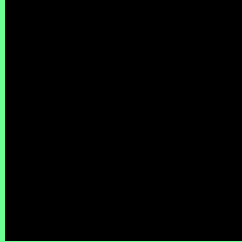
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

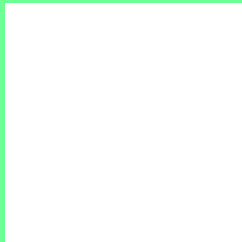
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7839, 0.2871, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 76.7839, 0.2871, 0.4673.

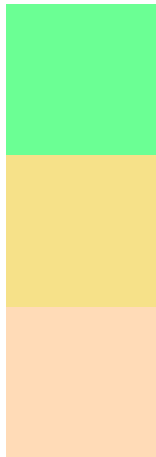


This preview shows how white text looks on a background with the Yxy color 76.7839, 0.2871, 0.4673.

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

76.7839, 0.2871, 0.4673

Protanopia

75.2494, 0.3875, 0.4199

Deuteranopia

75.3419, 0.3649, 0.3660



Tritanopia

76.3239, 0.2574, 0.3108

Trichromacy



Original Color

76.7839, 0.2871, 0.4673



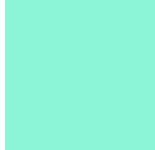
Protanomaly

73.5161, 0.3428, 0.4397



Deuteranomaly

73.0330, 0.3304, 0.4009



Tritanomaly

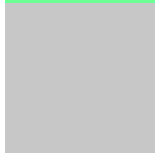
75.8381, 0.2681, 0.3640

Monochromacy



Original Color

76.7839, 0.2871, 0.4673



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.0653, 0.3007, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7839, 0.2871, 0.4673 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(107, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 148)  
}
```

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(107, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 76.7839, 0.2871, 0.4673 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(107, 255, 148) }
```

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

```
.border{ border-color:rgb(107, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7839, 0.2871, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 148) }
```

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

```
.background{ background-color: rgb(107,  
255, 148) }
```

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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