

Converting Colors

Yxy(76.7555, 0.2945, 0.4818)

Have a look what the booklet for
Yxy(76.7555, 0.2945, 0.4818)
contains.

| | |
|---|----|
| Yxy(76.7423, 0.2944, 0.4819) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(76.7423, 0.2944, 0.4819)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 70FF88 |
| RGB | 112, 255, 136 |
| RGB Percent | 44%, 100%, 53% |
| CMY | 0.5608, 0.0000, 0.4668 |
| CMYK | 0.56, 0.00, 0.47, 0.00 |
| HSL | 130°, 100%, 72% |
| HSV | 130°, 56%, 100% |
| XYZ | 46.8830, 76.7423, 35.6241 |
| YIQ | 198.6770, -47.0290, -67.3250 |

Conversions

Conversions Part 2

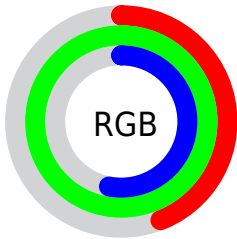
| Format | Color |
|-------------------------------------|--|
| RYB | 112, 234, 255 |
| Decimal | 7405448 |
| CIELab | 90.20, -62.71, 45.30 |
| CIELCh | 90, 77.359, 144.160 |
| Yxy | 76.7423, 0.2944, 0.4819 |
| Android (android.graphics.Color) | 4285595528 (0xFF70FF88) |
| YUV | 198.6770, -30.8998, -76.0157 |
| Hunter-Lab | 87.6027, -57.7754, 37.2113 |

Details

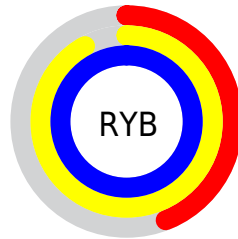
The Yxy color **76.7423, 0.2944, 0.4819** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.6154, 0.3416, 0.2147**, and the grayscale version is **57.1146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1658, 0.2988, 0.4031**, and **40.9884, 0.2857, 0.5237** is the 20% darker color. If you saturate the color by 10%, you get **74.7537, 0.2930, 0.5127**, and if you desaturate by 10%, it is **79.3207, 0.2967, 0.4504**.

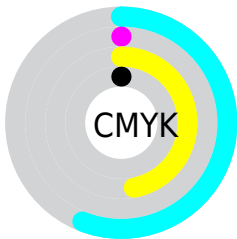
Distribution



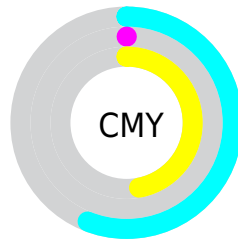
- Red (44%)
- Green (100%)
- Blue (53%)



- Red (44%)
- Yellow (92%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7423, 0.2944, 0.4819 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 76.7423, 0.2944, 0.4819 by changing the saturation by 10% instead.


 76.7423, 0.2944,
0.4819


 76.7423, 0.2944,
0.4819

483.8849, 0.3064,
0.4062

 57.0414, 0.2907,
0.5001


 128.7756, 0.2993,
0.4548

 41.0385, 0.2855,
0.5231


 161.8769, 0.3010,
0.4445

 28.3492, 0.2782,
0.5526


 200.2137, 0.3024,
0.4357

 18.5890, 0.2671,
0.5916

244.1704, 0.3035,
0.4282

 11.3737, 0.2494,
0.6446

294.1315, 0.3044,
0.4216

 6.3188, 0.2214,
0.7243


350.4814, 0.3052,


 3.0399, 0.1637,

0.4158

0.8363


413.6044, 0.3059,
0.4108


 1.1526, 0.0000,
1.0000


 0.0225, 0.0000,
1.0000

 76.7423, 0.2944,
0.4819


 76.7423, 0.2944,
0.4819

 74.7537, 0.2930,
0.5127


 79.3207, 0.2967,
0.4504

 73.3114, 0.2928,
0.5409


 82.5364, 0.2997,
0.4197


 72.3578, 0.2937,
0.5645

 86.4267, 0.3032,
0.3911

 71.8242, 0.2957,
0.5821

 91.0274, 0.3068,
0.3650

 71.6928, 0.2965,
0.5873

 96.3716, 0.3105,
0.3418

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.



76.7423, 0.3796, 0.4952



76.7423, 0.2944, 0.4819



76.7423, 0.2187, 0.3998

Triad

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



76.7423, 0.2944, 0.4819



76.7423, 0.1797, 0.1991



76.7423, 0.4749, 0.3249

Complementary

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



76.7423, 0.2944, 0.4819



38.6154, 0.3416, 0.2147

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.



76.7423, 0.4040, 0.2666



76.7423, 0.2944, 0.4819



76.7423, 0.2297, 0.1977

Square

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



76.7423, 0.2944, 0.4819



76.7423, 0.1606, 0.2310



76.7423, 0.3097, 0.2217



76.7423, 0.4907, 0.3890

Rectangle

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



76.7423, 0.2944, 0.4819



76.7423, 0.1841, 0.3313



76.7423, 0.3097, 0.2217



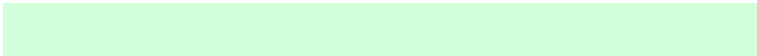
76.7423, 0.4564, 0.3046

Sweetspot

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



76.7407, 0.2944, 0.4819



90.5754, 0.3065, 0.3673



89.7058, 0.3768, 0.4715



19.1794, 0.3057, 0.3723



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.



76.7407, 0.2944, 0.4819



74.5997, 0.2930, 0.5154



79.4849, 0.2622, 0.3878



20.2179, 0.3093, 0.3494



37.4755, 0.2959, 0.5853



3.6621, 0.2909, 0.5673

Inverse Universe

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



38.6154, 0.3416, 0.2147



33.1337, 0.3488, 0.1986



35.3714, 0.4239, 0.2811



18.2450, 0.3164, 0.3094



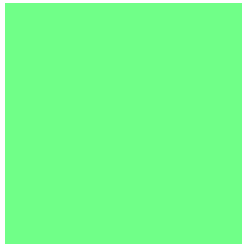
13.6179, 0.3686, 0.1804



1.3392, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 76.7423, 0.2944, 0.4819 looks on a white background.

Color Contrast Check

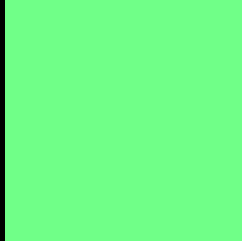
Large Text (above 18pt) WCAG AA × Fail

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 76.7423, 0.2944, 0.4819 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 76.7423, 0.2944, 0.4819

Background



This preview shows how black text looks on a background with the Yxy color 76.7423, 0.2944, 0.4819.

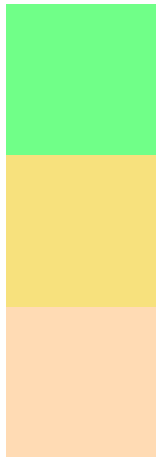


This preview shows how white text looks on a background with the Yxy color 76.7423, 0.2944, 0.4819.

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

76.7423, 0.2944, 0.4819

Protanopia

75.1053, 0.3957, 0.4308

Deuteranopia

75.2183, 0.3671, 0.3691



Tritanopia

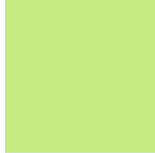
75.8427, 0.2578, 0.3097

Trichromacy



Original Color

76.7423, 0.2944, 0.4819



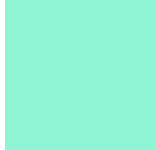
Protanomaly

73.5817, 0.3517, 0.4520



Deuteranomaly

73.0901, 0.3356, 0.4076



Tritanomaly

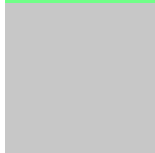
75.2945, 0.2714, 0.3677

Monochromacy



Original Color

76.7423, 0.2944, 0.4819



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.0131, 0.3039, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7423, 0.2944, 0.4819 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(112, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 136)  
}
```

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(112, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 136) }
```

Border

The CSS property to change the border of an element to Yxy 76.7423, 0.2944, 0.4819 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(112, 255, 136) }
```

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

```
.border{ border-color:rgb(112, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7423, 0.2944, 0.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 136) }
```

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

```
.background{ background-color: rgb(112,  
255, 136) }
```

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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