

Converting Colors

$Yxy(76.7277, 0.2948, 0.4827)$

Have a look what the booklet for
Yxy(76.7277, 0.2948, 0.4827)
contains.

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Color

Yxy(76.7140, 0.2948, 0.4831)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 70FF87 |
| RGB | 112, 255, 135 |
| RGB Percent | 44%, 100%, 53% |
| CMY | 0.5609, 0.0000, 0.4705 |
| CMYK | 0.56, 0.00, 0.47, 0.00 |
| HSL | 130°, 100%, 72% |
| HSV | 130°, 56%, 100% |
| XYZ | 46.8128, 76.7140, 35.2684 |
| YIQ | 198.5630, -46.7080, -67.6360 |

Conversions

Conversions Part 2

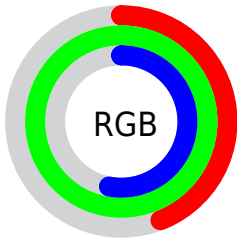
| Format | Color |
|-------------------------------------|--|
| RYB | 112, 235, 255 |
| Decimal | 7405447 |
| CIELab | 90.19, -62.85, 45.73 |
| CIElCh | 90, 77.730, 143.960 |
| Yxy | 76.7140, 0.2948, 0.4831 |
| Android (android.graphics.Color) | 4285595527 (0xFF70FF87) |
| YUV | 198.5630, -31.3366, -75.9158 |
| Hunter-Lab | 87.5865, -57.8726, 37.4363 |

Details

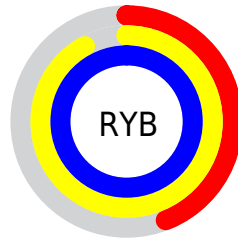
The Yxy color **76.7140, 0.2948, 0.4831** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.6636, 0.3407, 0.2139**, and the grayscale version is **57.0429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1219, 0.2993, 0.4043**, and **40.9730, 0.2862, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **74.7271, 0.2934, 0.5140**, and if you desaturate by 10%, it is **79.2920, 0.2971, 0.4514**.

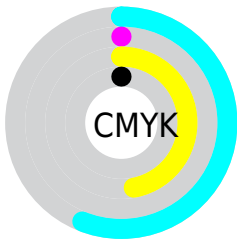
Distribution



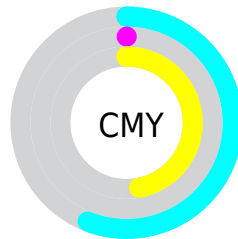
- Red (44%)
- Green (100%)
- Blue (53%)



- 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 76.7140, 0.2948, 0.4831 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 76.7140, 0.2948, 0.4831 by changing the saturation by 10% instead.


 76.7140, 0.2948,
0.4831


 76.7140, 0.2948,
0.4831

483.7884, 0.3067,
0.4068


 57.0182, 0.2911,
0.5015


 128.7357, 0.2997,
0.4558

 41.0198, 0.2859,
0.5246


 161.8303, 0.3014,
0.4454

 28.3346, 0.2785,
0.5543


 200.1600, 0.3027,
0.4366

 18.5780, 0.2674,
0.5935

244.1092, 0.3038,
0.4289

 11.3658, 0.2496,
0.6468

294.0622, 0.3047,
0.4223

 6.3134, 0.2216,
0.7275


350.4035, 0.3055,


 3.0366, 0.1627,


0.4165


0.8373


413.5174, 0.3061,
0.4114


 1.1509, 0.0000,
1.0000


 0.0210, 0.0000,
1.0000


 76.7140, 0.2948,
0.4831


 76.7140, 0.2948,
0.4831


 74.7271, 0.2934,
0.5140


 79.2920, 0.2971,
0.4514


 73.2879, 0.2932,
0.5423


 82.5092, 0.3000,
0.4205

 72.3386, 0.2941,
0.5658

 86.4029, 0.3034,
0.3916

 71.8100, 0.2960,
0.5831

 91.0089, 0.3070,
0.3653

 71.6808, 0.2967,
0.5881

 96.3607, 0.3106,
0.3419

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.



76.7140, 0.3804, 0.4959



76.7140, 0.2948, 0.4831



76.7140, 0.2187, 0.4008

Triad

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



76.7140, 0.2948, 0.4831



76.7140, 0.1789, 0.1987



76.7140, 0.4753, 0.3244

Complementary

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



76.7140, 0.2948, 0.4831



38.6636, 0.3407, 0.2139

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.



76.7140, 0.4038, 0.2660



76.7140, 0.2948, 0.4831



76.7140, 0.2289, 0.1971

Square

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



76.7140, 0.2948, 0.4831



76.7140, 0.1600, 0.2308



76.7140, 0.3091, 0.2211



76.7140, 0.4915, 0.3886

Rectangle

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



76.7140, 0.2948, 0.4831



76.7140, 0.1838, 0.3319



76.7140, 0.3091, 0.2211



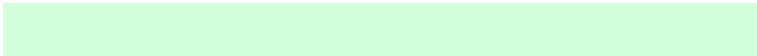
76.7140, 0.4566, 0.3040

Sweetspot

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



76.7123, 0.2948, 0.4831



90.5605, 0.3066, 0.3676



90.1045, 0.3785, 0.4706



19.1759, 0.3059, 0.3727



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.



76.7123, 0.2948, 0.4831



74.5747, 0.2934, 0.5168



79.3672, 0.2632, 0.3909



20.2159, 0.3093, 0.3495



37.4688, 0.2962, 0.5862



3.6612, 0.2913, 0.5685

Inverse Universe

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



38.6636, 0.3407, 0.2139



33.1954, 0.3476, 0.1977



35.4502, 0.4210, 0.2787



18.2471, 0.3163, 0.3093



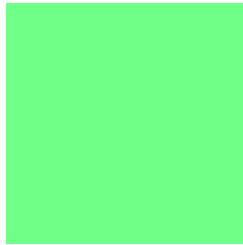
13.6616, 0.3665, 0.1793



1.3430, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 76.7140, 0.2948, 0.4831 looks on a white background.

Color Contrast Check

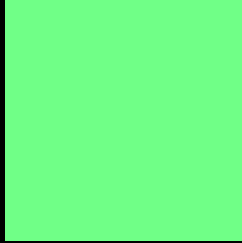
Large Text (above 18pt) WCAG AA × Fail

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 76.7140, 0.2948, 0.4831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

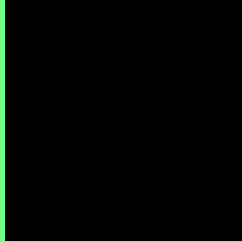
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

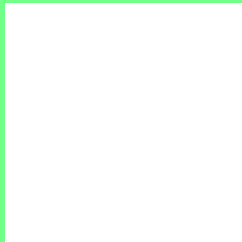
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7140, 0.2948, 0.4831

Background



This preview shows how black text looks on a background with the Yxy color 76.7140, 0.2948, 0.4831.

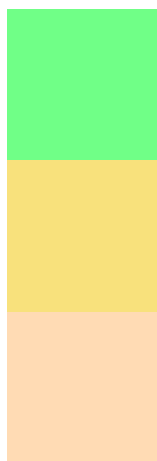


This preview shows how white text looks on a background with the Yxy color 76.7140, 0.2948, 0.4831.

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

76.7140, 0.2948, 0.4831

Protanopia

75.2621, 0.3970, 0.4313

Deuteranopia

75.2183, 0.3671, 0.3691



Tritanopia

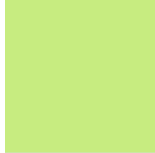
75.8427, 0.2578, 0.3097

Trichromacy



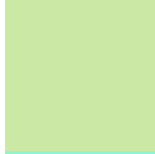
Original Color

76.7140, 0.2948, 0.4831



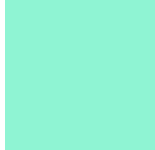
Protanomaly

73.6915, 0.3530, 0.4528



Deuteranomaly

73.0901, 0.3356, 0.4076



Tritanomaly

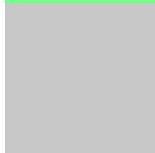
75.2442, 0.2719, 0.3690

Monochromacy



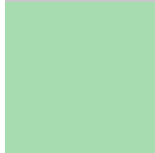
Original Color

76.7140, 0.2948, 0.4831



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 76.7140, 0.2948, 0.4831 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 76.7140, 0.2948, 0.4831 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, 135) }
```

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

```
.border{ border-color:rgb(112, 255, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7140, 0.2948, 0.4831 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, 135) }
```

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

```
.background{ background-color: rgb(112,  
255, 135) }
```

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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