

Converting Colors

$Yxy(76.9128, 0.2853, 0.4621)$

Have a look what the booklet for
Yxy(76.9128, 0.2853, 0.4621)
contains.

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Color

Yxy(76.9128, 0.2853, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	6BFF98
RGB	107, 255, 152
RGB Percent	42%, 100%, 60%
CMY	0.5806, 0.0000, 0.4040
CMYK	0.58, 0.00, 0.40, 0.00
HSL	138°, 100%, 71%
HSV	138°, 58%, 100%
XYZ	47.4859, 76.9128, 42.0432
YIQ	199.0060, -55.1450, -63.4090

Conversions

Conversions Part 2

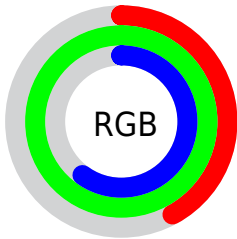
Format	Color
RYB	107, 220, 255
Decimal	7077784
CIELab	90.28, -61.36, 37.61
CIELCh	90, 71.971, 148.499
Yxy	76.9128, 0.2853, 0.4621
Android (android.graphics.Color)	4285267864 (0xFF6BFF98)
YUV	199.0060, -23.1740, -80.6893
Hunter-Lab	87.6999, -56.8246, 32.9664

Details

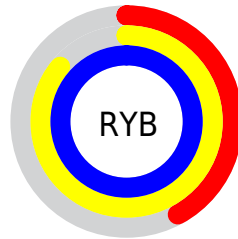
The Yxy color **76.9128, 0.2853, 0.4621** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.4174, 0.3645, 0.2284**, and the grayscale version is **57.2770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4600, 0.2883, 0.3842**, and **41.1138, 0.2754, 0.4973** is the 20% darker color. If you saturate the color by 10%, you get **75.0176, 0.2837, 0.4892**, and if you desaturate by 10%, it is **79.3545, 0.2883, 0.4351**.

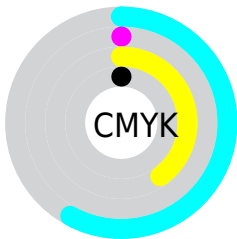
Distribution



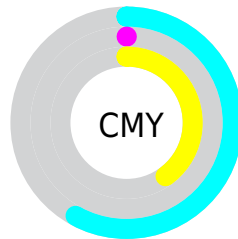
- Red (42%)
- Green (100%)
- Blue (60%)



- Red (42%)
- Yellow (86%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9128, 0.2853, 0.4621 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 76.9128, 0.2853, 0.4621 by changing the saturation by 10% instead.


 76.9128, 0.2853,
0.4621


 76.9128, 0.2853,
0.4621


484.4667, 0.3006,
0.3964

 57.1813, 0.2811,
0.4780


 129.0164, 0.2911,
0.4385

 41.1508, 0.2756,
0.4981


 162.1573, 0.2932,
0.4296

 28.4370, 0.2681,
0.5241


 200.5367, 0.2950,
0.4220

 18.6553, 0.2572,
0.5590

244.5392, 0.2965,
0.4154

 11.4215, 0.2407,
0.6074

294.5490, 0.2977,
0.4097

 6.3511, 0.2137,
0.6773


350.9506, 0.2988,


 3.0597, 0.1721,

0.4047


0.8279

414.1284, 0.2997,
0.4003

 1.1630, 0.0000,
1.0000


 0.0312, 0.0000,
1.0000


 76.9128, 0.2853,
0.4621


 76.9128, 0.2853,
0.4621


 75.0176, 0.2837,
0.4892


 79.3545, 0.2883,
0.4351


 73.6322, 0.2838,
0.5151


 82.3928, 0.2924,
0.4092


 72.6992, 0.2856,
0.5385

 86.0615, 0.2973,
0.3850

 72.1463, 0.2888,
0.5584

 90.3944, 0.3026,
0.3630

 72.0639, 0.2894,
0.5618

 95.4228, 0.3082,
0.3433

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.



76.9128, 0.3656, 0.4859



76.9128, 0.2853, 0.4621



76.9128, 0.2169, 0.3810

Triad

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



76.9128, 0.2853, 0.4621



76.9128, 0.1924, 0.2049



76.9128, 0.4693, 0.3350

Complementary

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



76.9128, 0.2853, 0.4621



36.4174, 0.3645, 0.2284

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.



76.9128, 0.4095, 0.2782



76.9128, 0.2853, 0.4621



76.9128, 0.2444, 0.2070

Square

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



76.9128, 0.2853, 0.4621



76.9128, 0.1700, 0.2312



76.9128, 0.3229, 0.2330



76.9128, 0.4770, 0.3961

Rectangle

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



76.9128, 0.2853, 0.4621



76.9128, 0.1869, 0.3190



76.9128, 0.3229, 0.2330



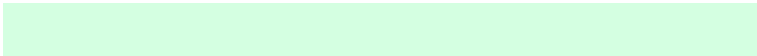
76.9128, 0.4545, 0.3152

Sweetspot

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



76.9097, 0.2853, 0.4621



90.8924, 0.3032, 0.3608



86.3685, 0.3647, 0.4834



19.2535, 0.3021, 0.3650



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.



76.9097, 0.2853, 0.4621



74.7103, 0.2836, 0.4943



80.1006, 0.2525, 0.3647



20.2591, 0.3074, 0.3460



37.6780, 0.2886, 0.5590



3.6870, 0.2824, 0.5366

Inverse Universe

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



36.4174, 0.3645, 0.2284



30.7010, 0.3796, 0.2144



33.5597, 0.4558, 0.3001



18.2007, 0.3185, 0.3126



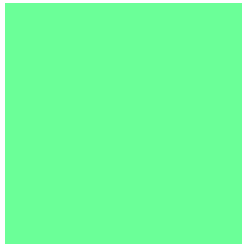
12.8042, 0.4165, 0.2068



1.2662, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 76.9128, 0.2853, 0.4621 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 76.9128, 0.2853, 0.4621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

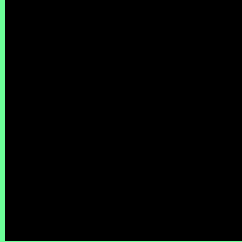
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9128, 0.2853, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 76.9128, 0.2853, 0.4621.

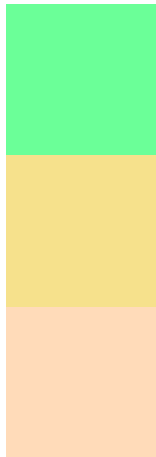


This preview shows how white text looks on a background with the Yxy color 76.9128, 0.2853, 0.4621.

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

76.9128, 0.2853, 0.4621

Protanopia

75.3367, 0.3856, 0.4170

Deuteranopia

75.4258, 0.3635, 0.3640



Tritanopia

76.3239, 0.2574, 0.3108

Trichromacy



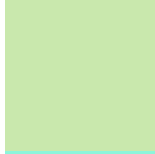
Original Color

76.9128, 0.2853, 0.4621



Protanomaly

73.6066, 0.3410, 0.4363



Deuteranomaly

73.1479, 0.3286, 0.3973



Tritanomaly

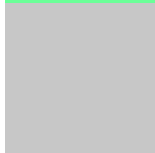
75.9422, 0.2671, 0.3615

Monochromacy



Original Color

76.9128, 0.2853, 0.4621



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1474, 0.2995, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9128, 0.2853, 0.4621 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 152) }
```

Border

The CSS property to change the border of an element to Yxy 76.9128, 0.2853, 0.4621 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, 152) }
```

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

```
.border{ border-color:rgb(107, 255, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9128, 0.2853, 0.4621 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, 152) }
```

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

```
.background{ background-color: rgb(107,  
255, 152) }
```

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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