

Converting Colors

$Yxy(97.7945, 0.3008, 0.5123)$

Have a look what the booklet for
Yxy(97.7945, 0.3008, 0.5123)
contains.

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Color

Yxy(76.8779, 0.3013, 0.4929)

Conversions

Conversions Part 1

Format	Color
Hex	76FF7E
RGB	118, 255, 126
RGB Percent	46%, 100%, 49%
CMY	0.5374, 0.0000, 0.5059
CMYK	0.54, 0.00, 0.51, 0.00
HSL	124°, 100%, 73%
HSV	124°, 54%, 100%
XYZ	46.9939, 76.8779, 32.0987
YIQ	199.3310, -40.2430, -69.1630

Conversions

Conversions Part 2

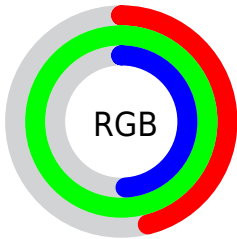
Format	Color
RYB	118, 247, 255
Decimal	7798654
CIELab	90.27, -62.67, 50.11
CIELCh	90, 80.239, 141.356
Yxy	76.8779, 0.3013, 0.4929
Android (android.graphics.Color)	4285988734 (0xFF76FF7E)
YUV	199.3310, -36.1522, -71.3273
Hunter-Lab	87.6800, -57.7693, 39.6706

Details

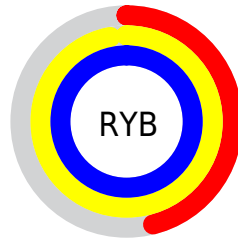
The Yxy color **76.8779, 0.3013, 0.4929** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **40.9243, 0.3259, 0.2068**, and the grayscale version is **57.5649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4399, 0.3075, 0.4142**, and **41.0665, 0.2931, 0.5365** is the 20% darker color. If you saturate the color by 10%, you get **74.7789, 0.2998, 0.5260**, and if you desaturate by 10%, it is **79.6041, 0.3032, 0.4582**.

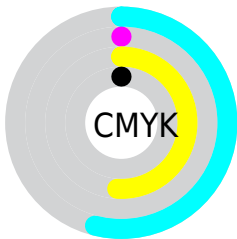
Distribution



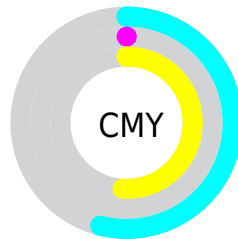
- Red (46%)
- Green (100%)
- Blue (49%)



- Red (46%)
- Yellow (97%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8779, 0.3013, 0.4929 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 76.8779, 0.3013, 0.4929 by changing the saturation by 10% instead.


 76.8779, 0.3013,
0.4929


 76.8779, 0.3013,
0.4929


484.3476, 0.3108,
0.4119


 57.1527, 0.2979,
0.5123


 128.9671, 0.3055,
0.4640

 41.1278, 0.2931,
0.5365


 162.0999, 0.3069,
0.4530

 28.4190, 0.2860,
0.5675


 200.4706, 0.3080,
0.4436

 18.6417, 0.2749,
0.6080

244.4637, 0.3088,
0.4355

 11.4117, 0.2566,
0.6619

294.4636, 0.3094,
0.4284

 6.3445, 0.2306,
0.7523


350.8546, 0.3100,


 3.0556, 0.1647,

0.4222

0.8353

414.0211, 0.3104,
0.4168

 1.1609, 0.0000,
1.0000


 0.0294, 0.0000,
1.0000

 76.8779, 0.3013,
0.4929


 76.8779, 0.3013,
0.4929


 74.7789, 0.2998,
0.5260


 79.6041, 0.3032,
0.4582

 73.2622, 0.2989,
0.5551


 83.0084, 0.3054,
0.4242


 72.2673, 0.2986,
0.5777

 87.1300, 0.3076,
0.3923

 71.7235, 0.2990,
0.5923

 92.0066, 0.3098,
0.3634

 71.5543, 0.2993,
0.5974

 97.6733, 0.3120,
0.3377

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.



76.8779, 0.3888, 0.4985



76.8779, 0.3013, 0.4929



76.8779, 0.2215, 0.4124

Triad

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



76.8779, 0.3013, 0.4929



76.8779, 0.1727, 0.1968



76.8779, 0.4760, 0.3182

Complementary

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



76.8779, 0.3013, 0.4929



40.9243, 0.3259, 0.2068

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.



76.8779, 0.3983, 0.2595



76.8779, 0.3013, 0.4929



76.8779, 0.2208, 0.1930

Square

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



76.8779, 0.3013, 0.4929



76.8779, 0.1560, 0.2324



76.8779, 0.3006, 0.2153



76.8779, 0.4976, 0.3835

Rectangle

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



76.8779, 0.3013, 0.4929



76.8779, 0.1840, 0.3407



76.8779, 0.3006, 0.2153



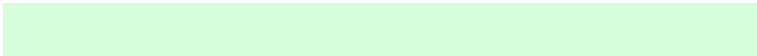
76.8779, 0.4551, 0.2976

Sweetspot

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



76.8759, 0.3013, 0.4929



90.8347, 0.3093, 0.3696



92.8110, 0.3860, 0.4605



19.2217, 0.3089, 0.3755



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.



76.8759, 0.3013, 0.4929



74.7316, 0.2998, 0.5269



79.2350, 0.2708, 0.4057



20.1854, 0.3108, 0.3521



37.3954, 0.2990, 0.5965



3.6468, 0.2967, 0.5881

Inverse Universe

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



40.9243, 0.3259, 0.2068



35.4993, 0.3286, 0.1894



37.4908, 0.3975, 0.2665



18.2809, 0.3147, 0.3069



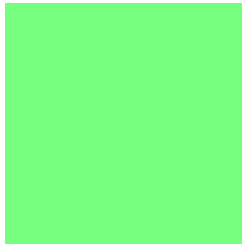
14.4061, 0.3362, 0.1626



1.4080, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 76.8779, 0.3013, 0.4929 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 76.8779, 0.3013, 0.4929 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

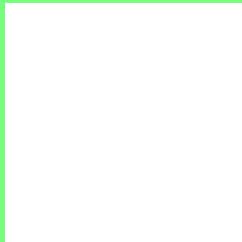
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8779, 0.3013, 0.4929

Background



This preview shows how black text looks on a background with the Yxy color 76.8779, 0.3013, 0.4929.

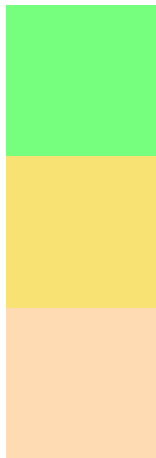


This preview shows how white text looks on a background with the Yxy color 76.8779, 0.3013, 0.4929.

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

76.8779, 0.3013, 0.4929

Protanopia

75.7934, 0.4019, 0.4389

Deuteranopia

75.1777, 0.3678, 0.3701



Tritanopia

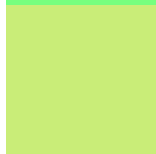
76.1556, 0.2592, 0.3098

Trichromacy



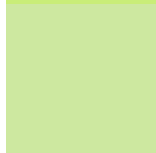
Original Color

76.8779, 0.3013, 0.4929



Protanomaly

74.3419, 0.3584, 0.4612



Deuteranomaly

73.2304, 0.3396, 0.4118



Tritanomaly

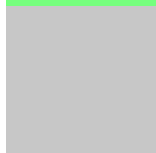
75.4585, 0.2754, 0.3726

Monochromacy



Original Color

76.8779, 0.3013, 0.4929



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1876, 0.3085, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8779, 0.3013, 0.4929 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(118, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 126)  
}
```

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(118, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 76.8779, 0.3013, 0.4929 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(118, 255, 126) }
```

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

```
.border{ border-color:rgb(118, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 255, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 255, 126); box-shadow:4px 4px 4px 4px rgb(118, 255, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8779, 0.3013, 0.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 126) }
```

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

```
.background{ background-color: rgb(118,  
255, 126) }
```

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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