

Converting Colors

$Yxy(77.3979, 0.2929, 0.4812)$

Have a look what the booklet for
Yxy(77.3979, 0.2929, 0.4812)
contains.

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Color

Yxy(76.6700, 0.2927, 0.4797)

Conversions

Conversions Part 1

Format	Color
Hex	6EFF8A
RGB	110, 255, 138
RGB Percent	43%, 100%, 54%
CMY	0.5684, 0.0000, 0.4588
CMYK	0.57, 0.00, 0.46, 0.00
HSL	132°, 100%, 72%
HSV	132°, 57%, 100%
XYZ	46.7820, 76.6700, 36.3771
YIQ	198.3070, -48.8630, -67.1270

Conversions

Conversions Part 2

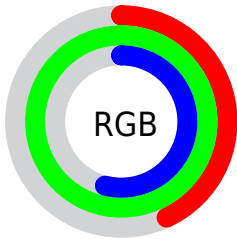
Format	Color
RYB	110, 232, 255
Decimal	7274378
CIELab	90.17, -62.85, 44.27
CIELCh	90, 76.880, 144.839
Yxy	76.6700, 0.2927, 0.4797
Android (android.graphics.Color)	4285464458 (0xFF6EFF8A)
YUV	198.3070, -29.7314, -77.4452
Hunter-Lab	87.5614, -57.8642, 36.6612

Details

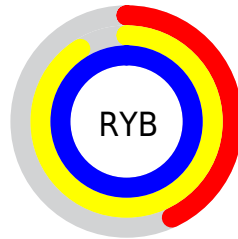
The Yxy color **76.6700, 0.2927, 0.4797** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.9706, 0.3458, 0.2164**, and the grayscale version is **56.8839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1409, 0.2972, 0.4008**, and **40.9617, 0.2834, 0.5196** is the 20% darker color. If you saturate the color by 10%, you get **74.7244, 0.2914, 0.5099**, and if you desaturate by 10%, it is **79.2052, 0.2951, 0.4490**.

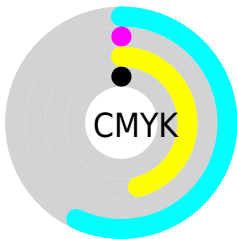
Distribution



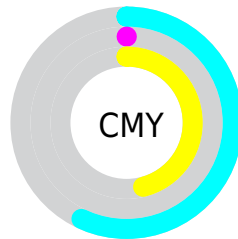
- Red (43%)
- Green (100%)
- Blue (54%)



- Red (43%)
- Yellow (91%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6700, 0.2927, 0.4797 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 76.6700, 0.2927, 0.4797 by changing the saturation by 10% instead.


 76.6700, 0.2927,
0.4797


 76.6700, 0.2927,
0.4797


483.6381, 0.3054,
0.4051


 56.9821, 0.2889,
0.4977


 128.6735, 0.2978,
0.4530

 40.9908, 0.2836,
0.5204


 161.7580, 0.2996,
0.4428

 28.3119, 0.2761,
0.5496


 200.0766, 0.3011,
0.4342

 18.5609, 0.2650,
0.5883

244.0140, 0.3022,
0.4267

 11.3535, 0.2473,
0.6410

293.9545, 0.3032,
0.4202

 6.3051, 0.2189,
0.7193

350.2824, 0.3041,


 3.0315, 0.1624,


0.4146


0.8376


413.3821, 0.3048,
0.4095


 1.1482, 0.0000,
1.0000


 0.0188, 0.0000,
1.0000


 76.6700, 0.2927,
0.4797

 76.6700, 0.2927,
0.4797


 74.7244, 0.2914,
0.5099


 79.2052, 0.2951,
0.4490


 73.3113, 0.2913,
0.5377

 82.3634, 0.2983,
0.4191

 72.3778, 0.2925,
0.5612

 86.1861, 0.3020,
0.3911

 71.8542, 0.2947,
0.5792

 90.7089, 0.3059,
0.3657

 71.7432, 0.2955,
0.5837

 95.9645, 0.3100,
0.3430

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.



76.6700, 0.3776, 0.4948



76.6700, 0.2927, 0.4797



76.6700, 0.2179, 0.3970

Triad

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



76.6700, 0.2927, 0.4797



76.6700, 0.1811, 0.1994



76.6700, 0.4750, 0.3265

Complementary

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



76.6700, 0.2927, 0.4797



37.9706, 0.3458, 0.2164

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.



76.6700, 0.4054, 0.2682



76.6700, 0.2927, 0.4797



76.6700, 0.2316, 0.1986

Square

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



76.6700, 0.2927, 0.4797



76.6700, 0.1614, 0.2304



76.6700, 0.3119, 0.2230



76.6700, 0.4894, 0.3903

Rectangle

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



76.6700, 0.2927, 0.4797



76.6700, 0.1839, 0.3292



76.6700, 0.3119, 0.2230



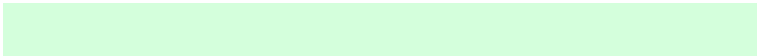
76.6700, 0.4570, 0.3061

Sweetspot

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



76.6730, 0.2927, 0.4797



90.6329, 0.3059, 0.3661



89.2104, 0.3758, 0.4741



19.1928, 0.3051, 0.3710



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.



76.6730, 0.2927, 0.4797



74.5347, 0.2913, 0.5132



79.4463, 0.2607, 0.3856



20.2254, 0.3089, 0.3488



37.5036, 0.2949, 0.5815



3.6659, 0.2895, 0.5624

Inverse Universe

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



37.9706, 0.3458, 0.2164



32.4848, 0.3543, 0.2007



34.8206, 0.4294, 0.2831



18.2368, 0.3168, 0.3100



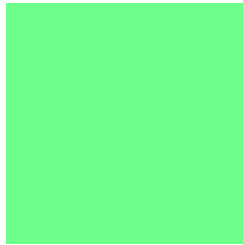
13.4542, 0.3768, 0.1849



1.3247, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 76.6700, 0.2927, 0.4797 looks on a white background.

Color Contrast Check

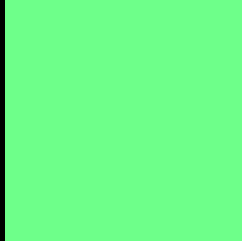
Large Text (above 18pt) WCAG AA × Fail

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 76.6700, 0.2927, 0.4797 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

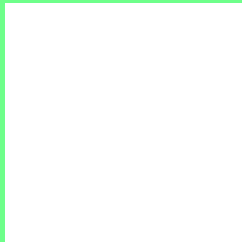
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6700, 0.2927, 0.4797

Background



This preview shows how black text looks on a background with the Yxy color 76.6700, 0.2927, 0.4797.

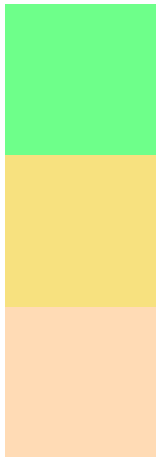


This preview shows how white text looks on a background with the Yxy color 76.6700, 0.2927, 0.4797.

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

76.6700, 0.2927, 0.4797

Protanopia

75.1569, 0.3945, 0.4289

Deuteranopia

75.2592, 0.3664, 0.3681



Tritanopia

75.7400, 0.2573, 0.3097

Trichromacy



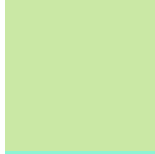
Original Color

76.6700, 0.2927, 0.4797



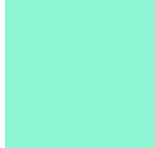
Protanomaly

73.4999, 0.3498, 0.4502



Deuteranomaly

72.9864, 0.3343, 0.4066



Tritanomaly

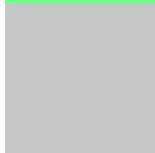
75.1176, 0.2704, 0.3678

Monochromacy



Original Color

76.6700, 0.2927, 0.4797



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.9046, 0.3032, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6700, 0.2927, 0.4797 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(110, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 138)  
}
```

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(110, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 138) }
```

Border

The CSS property to change the border of an element to Yxy 76.6700, 0.2927, 0.4797 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(110, 255, 138) }
```

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

```
.border{ border-color:rgb(110, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6700, 0.2927, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 138) }
```

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

```
.background{ background-color: rgb(110,  
255, 138) }
```

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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