

Converting Colors

$Yxy(77.2308, 0.2970, 0.4791)$

Have a look what the booklet for
Yxy(77.2308, 0.2970, 0.4791)
contains.

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Color

Yxy(77.2481, 0.2971, 0.4793)

Conversions

Conversions Part 1

Format	Color
Hex	77FF89
RGB	119, 255, 137
RGB Percent	47%, 100%, 54%
CMY	0.5332, 0.0000, 0.4629
CMYK	0.53, 0.00, 0.46, 0.00
HSL	128°, 100%, 73%
HSV	128°, 53%, 100%
XYZ	47.8832, 77.2481, 36.0373
YIQ	200.8840, -43.1780, -65.5300

Conversions

Conversions Part 2

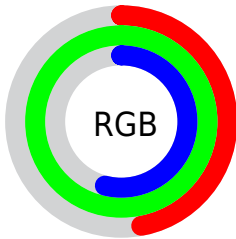
Format	Color
RYB	119, 239, 255
Decimal	7864201
CIELab	90.44, -60.93, 45.17
CIElCh	90, 75.841, 143.450
Yxy	77.2481, 0.2971, 0.4793
Android (android.graphics.Color)	4286054281 (0xFF77FF89)
YUV	200.8840, -31.4948, -71.8123
Hunter-Lab	87.8909, -56.5618, 37.2134

Details

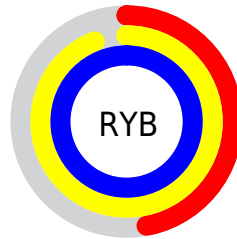
The Yxy color **77.2481, 0.2971, 0.4793** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **40.5782, 0.3351, 0.2154**, and the grayscale version is **58.5537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0291, 0.3023, 0.4010**, and **41.3027, 0.2893, 0.5200** is the 20% darker color. If you saturate the color by 10%, you get **75.1085, 0.2955, 0.5113**, and if you desaturate by 10%, it is **80.0034, 0.2994, 0.4467**.

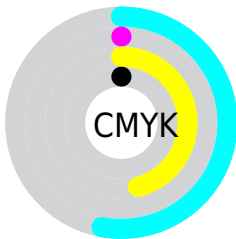
Distribution



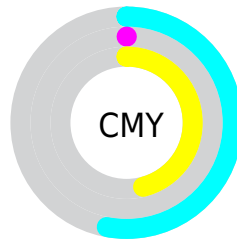
- Red (47%)
- Green (100%)
- Blue (54%)



- Red (47%)
- Yellow (94%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2481, 0.2971, 0.4793 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 77.2481, 0.2971, 0.4793 by changing the saturation by 10% instead.


 77.2481, 0.2971,
0.4793


 77.2481, 0.2971,
0.4793


485.6095, 0.3078,
0.4051


 57.4565, 0.2937,
0.4971


 129.4896, 0.3016,
0.4528

 41.3719, 0.2890,
0.5195


 162.7084, 0.3031,
0.4427

 28.6098, 0.2822,
0.5483

 201.1717, 0.3043,
0.4341

 18.7858, 0.2719,
0.5863

245.2638, 0.3052,
0.4267

 11.5156, 0.2553,
0.6379

295.3693, 0.3060,
0.4202

 6.4148, 0.2286,
0.7145


351.8725, 0.3067,


 3.0989, 0.1762,


0.4146

0.8238


415.1578, 0.3073,
0.4096

 1.1836, 0.0000,
1.0000


 0.0482, 0.0000,
1.0000


 77.2481, 0.2971,
0.4793


 77.2481, 0.2971,
0.4793


 75.1085, 0.2955,
0.5113

 80.0034, 0.2994,
0.4467

 73.5347, 0.2949,
0.5407

 83.4148, 0.3022,
0.4153

 72.4726, 0.2953,
0.5653

 87.5218, 0.3053,
0.3860

 71.8562, 0.2966,
0.5834

 92.3603, 0.3085,
0.3596

 71.6334, 0.2977,
0.5916

 97.9634, 0.3117,
0.3361

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.



77.2481, 0.3807, 0.4913



77.2481, 0.2971, 0.4793



77.2481, 0.2222, 0.4005

Triad

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



77.2481, 0.2971, 0.4793



77.2481, 0.1812, 0.2019



77.2481, 0.4703, 0.3239

Complementary

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



77.2481, 0.2971, 0.4793



40.5782, 0.3351, 0.2154

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.



77.2481, 0.4000, 0.2667



77.2481, 0.2971, 0.4793



77.2481, 0.2298, 0.1997

Square

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



77.2481, 0.2971, 0.4793



77.2481, 0.1631, 0.2342



77.2481, 0.3078, 0.2228



77.2481, 0.4875, 0.3870

Rectangle

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



77.2481, 0.2971, 0.4793



77.2481, 0.1875, 0.3338



77.2481, 0.3078, 0.2228



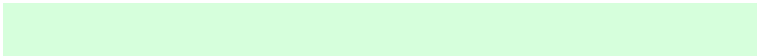
77.2481, 0.4518, 0.3039

Sweetspot

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



77.2488, 0.2971, 0.4793



90.9914, 0.3077, 0.3664



91.2270, 0.3792, 0.4629



19.2585, 0.3070, 0.3717



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.



77.2488, 0.2971, 0.4793



74.9846, 0.2955, 0.5134



79.7497, 0.2669, 0.3931



20.2072, 0.3097, 0.3503



37.4419, 0.2972, 0.5899



3.6571, 0.2928, 0.5740

Inverse Universe

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



40.5782, 0.3351, 0.2154



34.7901, 0.3406, 0.1981



37.4059, 0.4073, 0.2760



18.2567, 0.3158, 0.3086



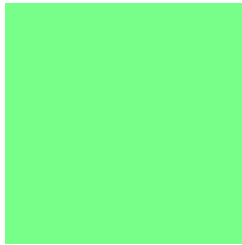
13.8629, 0.3574, 0.1742



1.3608, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 77.2481, 0.2971, 0.4793 looks on a white background.

Color Contrast Check

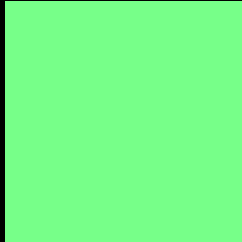
Large Text (above 18pt) WCAG AA × Fail

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 77.2481, 0.2971, 0.4793 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 77.2481, 0.2971, 0.4793

Background



This preview shows how black text looks on a background with the Yxy color 77.2481, 0.2971, 0.4793.

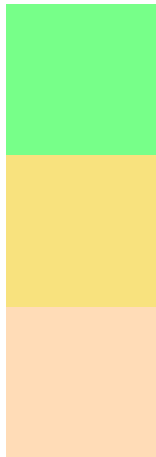


This preview shows how white text looks on a background with the Yxy color 77.2481, 0.2971, 0.4793.

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

77.2481, 0.2971, 0.4793

Protanopia

75.8555, 0.3953, 0.4304

Deuteranopia

75.8653, 0.3647, 0.3670



Tritanopia

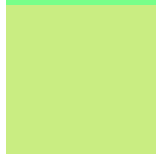
76.9523, 0.2604, 0.3110

Trichromacy



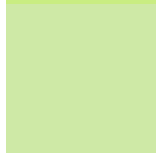
Original Color

77.2481, 0.2971, 0.4793



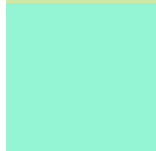
Protanomaly

74.5976, 0.3530, 0.4509



Deuteranomaly

74.1528, 0.3363, 0.4057



Tritanomaly

76.3542, 0.2740, 0.3686

Monochromacy



Original Color

77.2481, 0.2971, 0.4793



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.5852, 0.3054, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2481, 0.2971, 0.4793 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(119, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 137)  
}
```

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(119, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 77.2481, 0.2971, 0.4793 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(119, 255, 137) }
```

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

```
.border{ border-color:rgb(119, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2481, 0.2971, 0.4793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 137) }
```

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

```
.background{ background-color: rgb(119,  
255, 137) }
```

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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