

# Converting Colors

$Y_{xy}(77.1394, 0.2924, 0.4721)$

Have a look what the booklet for  
Yxy(77.1394, 0.2924, 0.4721)  
contains.

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# Color

**Yxy(77.1480, 0.2926, 0.4724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73FF8F
RGB	115, 255, 143
RGB Percent	45%, 100%, 56%
CMY	0.5493, 0.0000, 0.4390
CMYK	0.55, 0.00, 0.44, 0.00
HSL	132°, 100%, 73%
HSV	132°, 55%, 100%
XYZ	47.7847, 77.1480, 38.3780
YIQ	200.3720, -47.4880, -64.5120

# Conversions

## Conversions Part 2

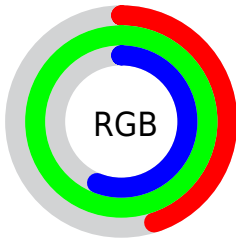
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 232, 255
Decimal	7602063
CIELab	90.39, -61.00, 42.15
CIELCh	90, 74.148, 145.354
Yxy	77.1480, 0.2926, 0.4724
Android (android.graphics.Color)	4285792143 (0xFF73FF8F)
YUV	200.3720, -28.2844, -74.8712
Hunter-Lab	87.8339, -56.5992, 35.5777

# Details

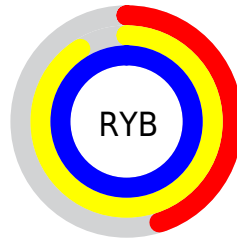
The Yxy color **77.1480, 0.2926, 0.4724** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.0469, 0.3455, 0.2204**, and the grayscale version is **58.1908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8273, 0.2968, 0.3943**, and **41.2457, 0.2838, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **75.0873, 0.2910, 0.5026**, and if you desaturate by 10%, it is **79.7933, 0.2952, 0.4420**.

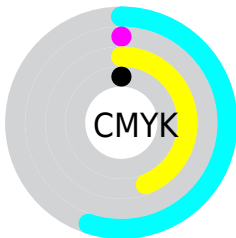
# Distribution



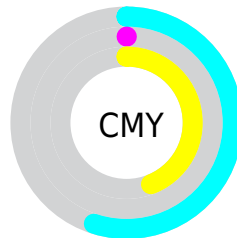
- Red (45%)
- Green (100%)
- Blue (56%)



- Red (45%)
- Yellow (91%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1480, 0.2926, 0.4724 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 77.1480, 0.2926, 0.4724 by changing the saturation by 10% instead.





 77.1480, 0.2926,  
0.4724

 77.1480, 0.2926,  
0.4724


485.2685, 0.3050,  
0.4016


 57.3744, 0.2889,  
0.4895

 129.3484, 0.2976,  
0.4470

 41.3059, 0.2840,  
0.5110


 162.5439, 0.2993,  
0.4374

 28.5582, 0.2769,  
0.5387


 200.9822, 0.3007,  
0.4292

 18.7468, 0.2665,  
0.5755

245.0476, 0.3019,  
0.4221

 11.4875, 0.2501,  
0.6261

295.1245, 0.3028,  
0.4160

 6.3957, 0.2229,  
0.6988


351.5974, 0.3037,


 3.0872, 0.1753,

0.4106

0.8247

414.8506, 0.3044,  
0.4058


 1.1774, 0.0000,  
1.0000


 0.0431, 0.0000,  
1.0000


 77.1480, 0.2926,  
0.4724


 77.1480, 0.2926,  
0.4724


 75.0873, 0.2910,  
0.5026

 79.7933, 0.2952,  
0.4420


 73.5729, 0.2907,  
0.5309


 83.0731, 0.2986,  
0.4127

 72.5482, 0.2917,  
0.5555

 87.0221, 0.3025,  
0.3855

 71.9477, 0.2939,  
0.5748

 91.6752, 0.3065,  
0.3608

 71.7606, 0.2951,  
0.5824

 97.0647, 0.3107,  
0.3388

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.



77.1480, 0.3748, 0.4890



77.1480, 0.2926, 0.4724



77.1480, 0.2203, 0.3927

# Triad

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



77.1480, 0.2926, 0.4724



77.1480, 0.1857, 0.2033



77.1480, 0.4697, 0.3282

# Complementary

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



77.1480, 0.2926, 0.4724



39.0469, 0.3455, 0.2204

# 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.



77.1480, 0.4036, 0.2712



77.1480, 0.2926, 0.4724



77.1480, 0.2355, 0.2027

# Square

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



77.1480, 0.2926, 0.4724



77.1480, 0.1660, 0.2332



77.1480, 0.3136, 0.2269



77.1480, 0.4831, 0.3904



# Rectangle

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



77.1480, 0.2926, 0.4724



77.1480, 0.1875, 0.3280



77.1480, 0.3136, 0.2269



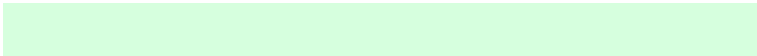
77.1480, 0.4526, 0.3083

# Sweetspot

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



77.1453, 0.2926, 0.4724



91.1411, 0.3061, 0.3633



89.0852, 0.3726, 0.4706



19.2937, 0.3053, 0.3682



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.



77.1453, 0.2926, 0.4724



74.8996, 0.2909, 0.5058



79.9637, 0.2608, 0.3803



20.2278, 0.3088, 0.3486



37.5132, 0.2945, 0.5802



3.6672, 0.2891, 0.5607



# Inverse Universe

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



39.0469, 0.3455, 0.2204



33.2600, 0.3542, 0.2042



35.9399, 0.4263, 0.2866



18.2342, 0.3169, 0.3102



13.4042, 0.3794, 0.1864

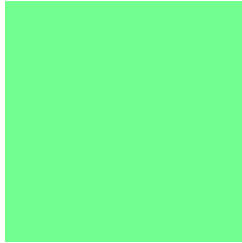


1.3202, 0.3715, 0.1820



# Previews

## White Background



This preview shows how the Yxy color 77.1480, 0.2926, 0.4724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

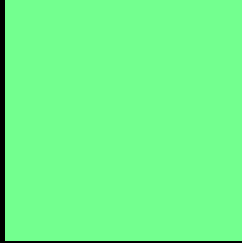
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1480, 0.2926, 0.4724 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

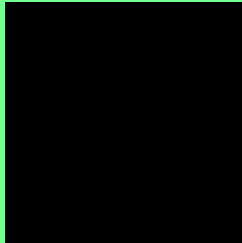
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.1480, 0.2926, 0.4724**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1480, 0.2926, 0.4724.



This preview shows how white text looks on a background with the Yxy color 77.1480, 0.2926, 0.4724.

# 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

77.1480, 0.2926, 0.4724

### Protanopia

75.8328, 0.3909, 0.4252

### Deuteranopia

75.8653, 0.3647, 0.3670



## Tritanopia

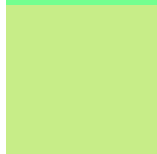
76.7395, 0.2594, 0.3109

# Trichromacy



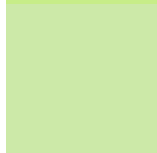
## Original Color

77.1480, 0.2926, 0.4724



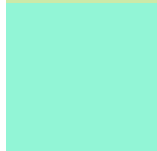
## Protanomaly

74.4881, 0.3482, 0.4451



## Deuteranomaly

73.9423, 0.3337, 0.4037



## Tritanomaly

76.2708, 0.2720, 0.3662

# Monochromacy



## Original Color

77.1480, 0.2926, 0.4724



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

62.8761, 0.3034, 0.3808

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1480, 0.2926, 0.4724 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(115, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 143)  
}
```

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(115, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1480, 0.2926, 0.4724 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(115, 255, 143) }
```

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

```
.border{ border-color:rgb(115, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1480, 0.2926, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 143) }
```

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

```
.background{ background-color: rgb(115,  
255, 143) }
```

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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