

# Converting Colors

$Yxy(78.0491, 0.2803, 0.4371)$

Have a look what the booklet for  
Yxy(78.0491, 0.2803, 0.4371)  
contains.

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# Color

**Yxy(78.0671, 0.2804, 0.4371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73FFAA
RGB	115, 255, 170
RGB Percent	45%, 100%, 67%
CMY	0.5492, 0.0000, 0.3334
CMYK	0.55, 0.00, 0.33, 0.00
HSL	144°, 100%, 73%
HSV	144°, 55%, 100%
XYZ	50.0801, 78.0671, 50.4552
YIQ	203.4500, -56.1550, -56.1150

# Conversions

## Conversions Part 2

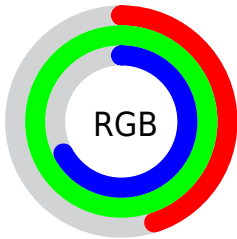
Format	Color
<a href="#">RYB</a>	<a href="#">115, 216, 255</a>
Decimal	<a href="#">7602090</a>
CIELab	<a href="#">90.81, -56.55, 29.39</a>
CIELCh	<a href="#">91, 63.729, 152.538</a>
Yxy	<a href="#">78.0671, 0.2804, 0.4371</a>
Android (android.graphics.Color)	<a href="#">4285792170 (0xFF73FFAA)</a>
YUV	<a href="#">203.4500, -16.4908, -77.5706</a>
Hunter-Lab	<a href="#">88.3556, -53.4482, 27.9915</a>

# Details

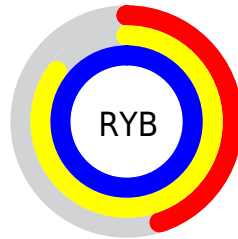
The Yxy color **78.0671, 0.2804, 0.4371** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.6779, 0.3745, 0.2442**, and the grayscale version is **60.1398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2411, 0.2824, 0.3613**, and **41.7977, 0.2709, 0.4659** is the 20% darker color. If you saturate the color by 10%, you get **76.0165, 0.2778, 0.4611**, and if you desaturate by 10%, it is **80.6573, 0.2845, 0.4138**.

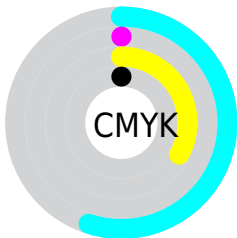
# Distribution



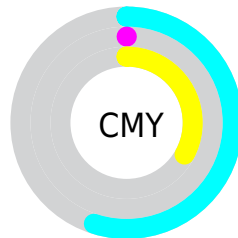
- Red (45%)
- Green (100%)
- Blue (67%)



- Red (45%)
- Yellow (85%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0671, 0.2804, 0.4371 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 78.0671, 0.2804, 0.4371 by changing the saturation by 10% instead.




 78.0671, 0.2804,  
0.4371


 78.0671, 0.2804,  
0.4371

488.3947, 0.2969,  
0.3842


 58.1291, 0.2762,  
0.4498


 130.6447, 0.2865,  
0.4182

 41.9124, 0.2709,  
0.4659

 164.0531, 0.2887,  
0.4110

 29.0327, 0.2637,  
0.4867


 202.7204, 0.2906,  
0.4049

 19.1056, 0.2539,  
0.5146

247.0311, 0.2923,  
0.3996

 11.7466, 0.2394,  
0.5538

297.3694, 0.2937,  
0.3950

 6.5714, 0.2168,  
0.6119


354.1199, 0.2949,


 3.1955, 0.1815,


0.3910


0.7167


417.6668, 0.2960,  
0.3874

 1.2346, 0.0000,  
1.0000


 0.0897, 0.0000,  
1.0000


 78.0671, 0.2804,  
0.4371


 78.0671, 0.2804,  
0.4371


 76.0165, 0.2778,  
0.4611


 80.6573, 0.2845,  
0.4138

 74.4735, 0.2769,  
0.4849


 83.8362, 0.2898,  
0.3918


 73.3848, 0.2780,  
0.5077

 87.6347, 0.2959,  
0.3714

 72.6897, 0.2809,  
0.5285

 92.0847, 0.3025,  
0.3530

 72.4445, 0.2828,  
0.5382

 97.2158, 0.3093,  
0.3364

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.



78.0671, 0.3521, 0.4672



78.0671, 0.2804, 0.4371



78.0671, 0.2213, 0.3639

# Triad

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



78.0671, 0.2804, 0.4371



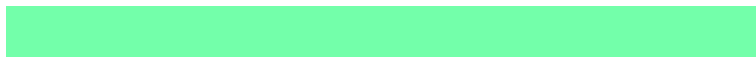
78.0671, 0.2095, 0.2164



78.0671, 0.4547, 0.3436

# Complementary

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



78.0671, 0.2804, 0.4371



37.6779, 0.3745, 0.2442

# 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.



78.0671, 0.4073, 0.2906



78.0671, 0.2804, 0.4371



78.0671, 0.2605, 0.2210

# Square

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



78.0671, 0.2804, 0.4371



78.0671, 0.1852, 0.2375



78.0671, 0.3328, 0.2473



78.0671, 0.4565, 0.3989



# Rectangle

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



78.0671, 0.2804, 0.4371



78.0671, 0.1963, 0.3113



78.0671, 0.3328, 0.2473



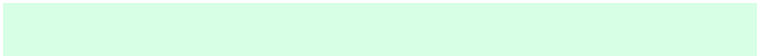
78.0671, 0.4436, 0.3253

# Sweetspot

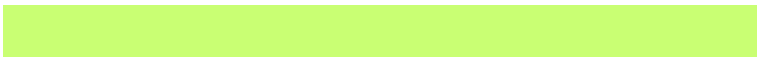
The Sweet Spot groups the original color and five complimentary colors.



78.0635, 0.2804, 0.4371



91.5727, 0.3018, 0.3549



85.2177, 0.3549, 0.4799



19.3957, 0.3004, 0.3586



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.



78.0635, 0.2804, 0.4371



75.8267, 0.2776, 0.4637



81.3734, 0.2496, 0.3481



20.2864, 0.3062, 0.3438



37.8811, 0.2820, 0.5351



3.7091, 0.2757, 0.5124



# Inverse Universe

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



37.6779, 0.3745, 0.2442



31.6956, 0.3931, 0.2316



35.1564, 0.4585, 0.3131



18.1723, 0.3199, 0.3147



12.3717, 0.4516, 0.2261

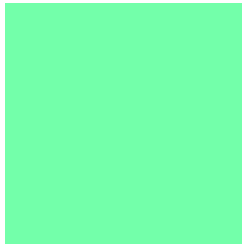


1.2261, 0.4326, 0.2157



# Previews

## White Background



This preview shows how the Yxy color 78.0671, 0.2804, 0.4371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

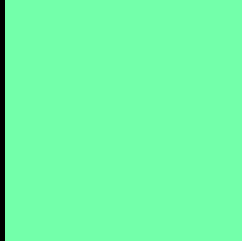
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0671, 0.2804, 0.4371 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 78.0671, 0.2804, 0.4371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0671, 0.2804, 0.4371.

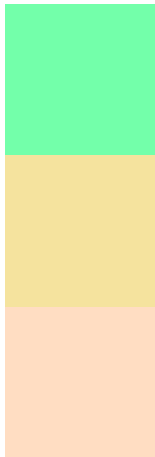


This preview shows how white text looks on a background with the Yxy color 78.0671, 0.2804, 0.4371.

# 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

78.0671, 0.2804, 0.4371

### Protanopia

76.8193, 0.3722, 0.4011

### Deuteranopia

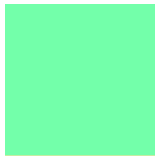
76.8679, 0.3565, 0.3566



## Tritanopia

77.6472, 0.2610, 0.3121

# Trichromacy



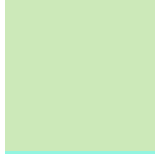
## Original Color

78.0671, 0.2804, 0.4371



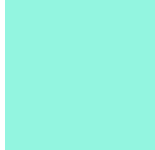
## Protanomaly

75.1828, 0.3324, 0.4158



## Deuteranomaly

74.6180, 0.3230, 0.3838



## Tritanomaly

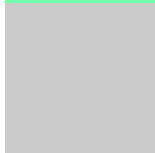
76.8897, 0.2675, 0.3538

# Monochromacy



## Original Color

78.0671, 0.2804, 0.4371



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

64.6621, 0.2973, 0.3674

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0671, 0.2804, 0.4371 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0671, 0.2804, 0.4371 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, 170) }
```

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

```
.border{ border-color:rgb(115, 255, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0671, 0.2804, 0.4371 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, 170) }
```

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

```
.background{ background-color: rgb(115,  
255, 170) }
```

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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