

# Converting Colors

$Y_{xy}(74.7050, 0.2665, 0.4385)$

Have a look what the booklet for  
Yxy(74.7050, 0.2665, 0.4385)  
contains.

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# Color

**Yxy(74.6893, 0.2667, 0.4391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFDAA
RGB	76, 253, 170
RGB Percent	30%, 99%, 67%
CMY	0.7016, 0.0078, 0.3334
CMYK	0.70, 0.00, 0.33, 0.01
HSL	152°, 98%, 65%
HSV	152°, 70%, 99%
XYZ	45.3647, 74.6893, 50.0423
YIQ	190.6150, -78.8490, -63.3370

# Conversions

## Conversions Part 2

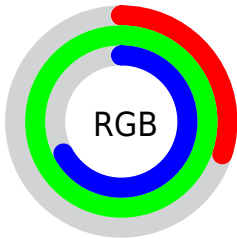
Format	Color
<a href="#">RYB</a>	<a href="#">76, 192, 253</a>
Decimal	<a href="#">5045674</a>
CIELab	<a href="#">89.25, -62.90, 27.12</a>
CIELCh	<a href="#">89, 68.500, 156.680</a>
Yxy	<a href="#">74.6893, 0.2667, 0.4391</a>
Android (android.graphics.Color)	<a href="#">4283235754 (0xFF4CFDAA)</a>
YUV	<a href="#">190.6150, -10.1632, -100.5174</a>
Hunter-Lab	<a href="#">86.4230, -57.5429, 26.1648</a>

# Details

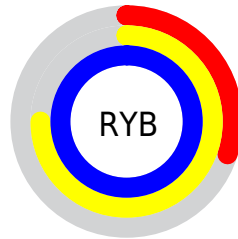
The Yxy color **74.6893, 0.2667, 0.4391** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **28.5718, 0.4342, 0.2513**, and the grayscale version is **51.9750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0307, 0.2672, 0.3627**, and **40.3146, 0.2629, 0.4663** is the 20% darker color. If you saturate the color by 10%, you get **73.4212, 0.2660, 0.4577**, and if you desaturate by 10%, it is **76.4113, 0.2695, 0.4205**.

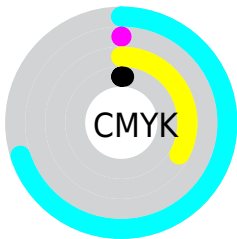
# Distribution



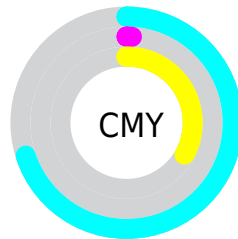
- Red (30%)
- Green (99%)
- Blue (67%)



- Red (30%)
- Yellow (75%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (33%)
- Black (1%)




- Cyan (70%)
- Magenta (1%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6893, 0.2667, 0.4391 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 74.6893, 0.2667, 0.4391 by changing the saturation by 10% instead.




 74.6893, 0.2667,  
0.4391

 74.6893, 0.2667,  
0.4391


476.8490, 0.2897,  
0.3847


 55.3584, 0.2610,  
0.4523


 125.8725, 0.2750,  
0.4196


 39.6887, 0.2539,  
0.4691


 158.4935, 0.2781,  
0.4122

 27.2959, 0.2444,  
0.4910


 196.3134, 0.2808,  
0.4059

 17.7956, 0.2315,  
0.5206

 239.7165, 0.2831,  
0.4005

 10.8033, 0.2131,  
0.5627

289.0872, 0.2850,  
0.3958

 5.9348, 0.1850,  
0.6258


344.8099, 0.2868,

 2.8054, 0.1317,


0.3916


0.7543

407.2690, 0.2883,  
0.3880


 1.0310, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 74.6893, 0.2667,  
0.4391


 74.6893, 0.2667,  
0.4391


 73.4212, 0.2660,  
0.4577


 76.4113, 0.2695,  
0.4205

 72.5460, 0.2673,  
0.4759

 78.6218, 0.2740,  
0.4024


 71.9830, 0.2704,  
0.4932


 81.3621, 0.2801,  
0.3851

 71.9792, 0.2704,  
0.4934

 84.6665, 0.2873,  
0.3691

 88.5665, 0.2954,  
0.3543

 93.0911, 0.3039,  
0.3409

 98.2673, 0.3128,  
0.3289

 98.7306, 0.3128,  
0.3271

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6893, 0.3433, 0.4796



74.6893, 0.2667, 0.4391



74.6893, 0.2068, 0.3543

# Triad

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



74.6893, 0.2667, 0.4391



74.6893, 0.2073, 0.2070



74.6893, 0.4707, 0.3515

# Complementary

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



74.6893, 0.2667, 0.4391



28.5718, 0.4342, 0.2513

# 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.



74.6893, 0.4255, 0.2944



74.6893, 0.2667, 0.4391



74.6893, 0.2655, 0.2156

# Square

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



74.6893, 0.2667, 0.4391



74.6893, 0.1776, 0.2248



74.6893, 0.3459, 0.2465



74.6893, 0.4646, 0.4107



# Rectangle

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



74.6893, 0.2667, 0.4391



74.6893, 0.1833, 0.2979



74.6893, 0.3459, 0.2465



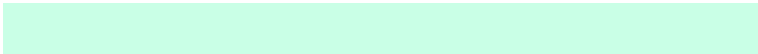
74.6893, 0.4611, 0.3319

# Sweetspot

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



74.6923, 0.2667, 0.4391



89.7057, 0.2945, 0.3558



78.4131, 0.3441, 0.5264



18.9567, 0.2922, 0.3598



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.



74.6923, 0.2667, 0.4391



74.3362, 0.2663, 0.4653



77.0355, 0.2319, 0.3252



20.3293, 0.3043, 0.3404



38.3200, 0.2696, 0.4906



3.7532, 0.2641, 0.4707



# Inverse Universe

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



28.5718, 0.4342, 0.2513



24.7649, 0.4721, 0.2495



27.0039, 0.5485, 0.3320



18.1290, 0.3220, 0.3179



11.8429, 0.5095, 0.2580

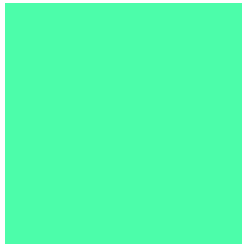


1.1749, 0.4824, 0.2431



# Previews

## White Background



This preview shows how the Yxy color 74.6893, 0.2667, 0.4391 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 74.6893, 0.2667, 0.4391 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 74.6893, 0.2667, 0.4391**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6893, 0.2667, 0.4391.



This preview shows how white text looks on a background with the Yxy color 74.6893, 0.2667, 0.4391.

# 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

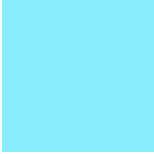
74.6893, 0.2667, 0.4391

### Protanopia

73.1681, 0.3715, 0.3994

### Deuteranopia

72.8138, 0.3656, 0.3600



## **Tritanopia**

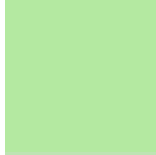
73.8580, 0.2481, 0.3092

# Trichromacy



## Original Color

74.6893, 0.2667, 0.4391



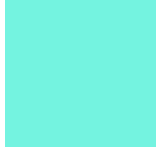
## Protanomaly

70.5543, 0.3211, 0.4165



## Deuteranomaly

69.6886, 0.3175, 0.3874



## Tritanomaly

73.1960, 0.2537, 0.3523

# Monochromacy



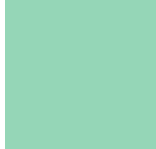
## Original Color

74.6893, 0.2667, 0.4391



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

57.9016, 0.2875, 0.3700

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6893, 0.2667, 0.4391 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(76, 253, 170)` looks like.

```
.text, #text, p{  
    color:rgb(76, 253, 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(76, 253, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 253, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6893, 0.2667, 0.4391 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(76, 253, 170) }
```

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

```
.border{ border-color:rgb(76, 253, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 253, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 253, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 253, 170);  
box-shadow:4px 4px 4px 4px rgb(76, 253,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6893, 0.2667, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 253, 170) }
```

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

```
.background{ background-color: rgb(76, 253,  
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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