

# Converting Colors

$Yxy(77.4664, 0.2526, 0.3933)$

Have a look what the booklet for  
Yxy(77.4664, 0.2526, 0.3933)  
contains.

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# Color

**Yxy(77.4574, 0.2529, 0.3939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFFCC
RGB	77, 255, 204
RGB Percent	30%, 100%, 80%
CMY	0.6973, 0.0000, 0.2000
CMYK	0.70, 0.00, 0.20, 0.00
HSL	163°, 100%, 65%
HSV	163°, 70%, 100%
XYZ	49.7308, 77.4574, 69.4541
YIQ	195.9640, -89.7170, -53.5970

# Conversions

## Conversions Part 2

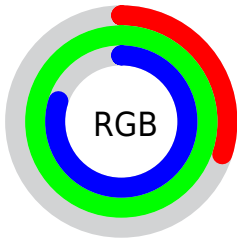
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 181, 255
Decimal	5111756
CIELab	90.53, -56.29, 11.51
CIELCh	91, 57.452, 168.442
Yxy	77.4574, 0.2529, 0.3939
Android (android.graphics.Color)	4283301836 (0xFF4DFFCC)
YUV	195.9640, 3.9617, -104.3314
Hunter-Lab	88.0099, -53.1542, 14.8175

# Details

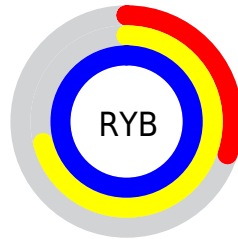
The Yxy color **77.4574, 0.2529, 0.3939** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **28.1578, 0.4811, 0.2833**, and the grayscale version is **55.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **42.1345, 0.2467, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **76.2537, 0.2506, 0.4049**, and if you desaturate by 10%, it is **79.0994, 0.2572, 0.3830**.

# Distribution



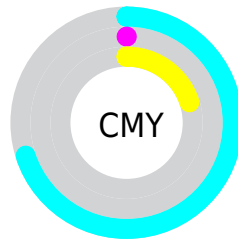
- Red (30%)
- Green (100%)
- Blue (80%)



- Red (30%)
- Yellow (71%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (70%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4574, 0.2529, 0.3939 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 77.4574, 0.2529, 0.3939 by changing the saturation by 10% instead.



 77.4574, 0.2529,  
0.3939

 77.4574, 0.2529,  
0.3939


486.3221, 0.2807,  
0.3630

 57.6284, 0.2465,  
0.4012

 129.7849, 0.2626,  
0.3830

 41.5099, 0.2387,  
0.4102

 163.0522, 0.2663,  
0.3788

 28.7178, 0.2288,  
0.4219


 201.5677, 0.2695,  
0.3752

 18.8674, 0.2158,  
0.4374

 245.7158, 0.2724,  
0.3721

 11.5745, 0.1984,  
0.4589

295.8809, 0.2748,  
0.3694

 6.4547, 0.1736,  
0.4907


352.4474, 0.2770,


 3.1235, 0.1364,


0.3670


0.5417


415.7997, 0.2790,  
0.3649


 1.1965, 0.0000,  
0.7203

 0.0589, 0.0000,  
1.0000


 77.4574, 0.2529,  
0.3939


 77.4574, 0.2529,  
0.3939


 76.2537, 0.2506,  
0.4049

 79.0994, 0.2572,  
0.3830


 75.4273, 0.2504,  
0.4159


 81.2141, 0.2634,  
0.3725


 74.8991, 0.2519,  
0.4267

 83.8428, 0.2712,  
0.3624

 74.8863, 0.2520,  
0.4270

 87.0195, 0.2804,  
0.3529

 90.7756, 0.2906,  
0.3441

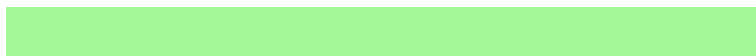
 95.1398, 0.3016,  
0.3361

99.9948, 0.3127,  
0.3290

# Harmonies

## Analogous

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



77.4574, 0.3146, 0.4445



77.4574, 0.2529, 0.3939



77.4574, 0.2102, 0.3230

# Triad

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



77.4574, 0.2529, 0.3939



77.4574, 0.2404, 0.2251



77.4574, 0.4477, 0.3708

# Complementary

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



77.4574, 0.2529, 0.3939



28.1578, 0.4811, 0.2833

# 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.



77.4574, 0.4255, 0.3198



77.4574, 0.2529, 0.3939



77.4574, 0.2988, 0.2404

# Square

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



77.4574, 0.2529, 0.3939



77.4574, 0.2044, 0.2321



77.4574, 0.3683, 0.2739



77.4574, 0.4289, 0.4189



# Rectangle

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



77.4574, 0.2529, 0.3939



77.4574, 0.1963, 0.2814



77.4574, 0.3683, 0.2739



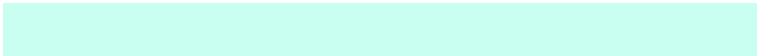
77.4574, 0.4450, 0.3537

# Sweetspot

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



77.4604, 0.2529, 0.3939



90.2699, 0.2893, 0.3452



76.8419, 0.3252, 0.5386



19.0913, 0.2864, 0.3476



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.



77.4604, 0.2529, 0.3939



75.8628, 0.2503, 0.4096



59.6950, 0.2218, 0.2844



20.3874, 0.3018, 0.3359



39.1596, 0.2515, 0.4252



3.8317, 0.2480, 0.4128



# Inverse Universe

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



28.1578, 0.4811, 0.2833



23.7961, 0.5346, 0.2863



33.5534, 0.5211, 0.3608



18.0727, 0.3249, 0.3222



11.3832, 0.5815, 0.2977

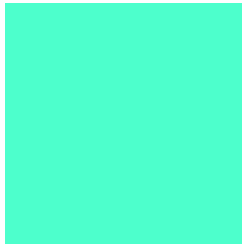


1.1262, 0.5495, 0.2801



# Previews

## White Background



This preview shows how the Yxy color 77.4574, 0.2529, 0.3939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

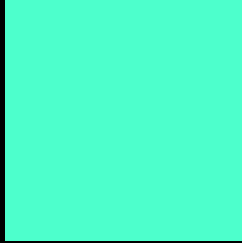
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4574, 0.2529, 0.3939 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 77.4574, 0.2529, 0.3939**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4574, 0.2529, 0.3939.

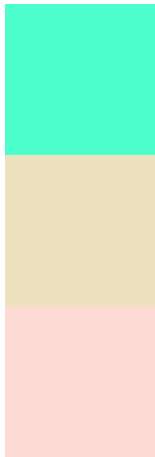


This preview shows how white text looks on a background with the Yxy color 77.4574, 0.2529, 0.3939.

# 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

77.4574, 0.2529, 0.3939

### Protanopia

75.7017, 0.3463, 0.3674

### Deuteranopia

75.7789, 0.3426, 0.3352



## Tritanopia

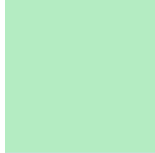
76.5087, 0.2557, 0.3119

# Trichromacy



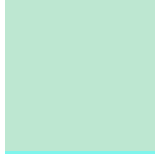
## Original Color

77.4574, 0.2529, 0.3939



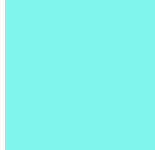
## Protanomaly

73.5892, 0.3014, 0.3787



## Deuteranomaly

72.5741, 0.2983, 0.3544



## Tritanomaly

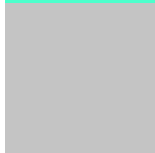
75.8730, 0.2531, 0.3396

# Monochromacy



## Original Color

77.4574, 0.2529, 0.3939



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.5215, 0.2807, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4574, 0.2529, 0.3939 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(77, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 204)  
}
```

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(77, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4574, 0.2529, 0.3939 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(77, 255, 204) }
```

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

```
.border{ border-color:rgb(77, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4574, 0.2529, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 204) }
```

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

```
.background{ background-color: rgb(77, 255,  
204) }
```

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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