

# Converting Colors

$Y_{xy}(77.4521, 0.2479, 0.3848)$

Have a look what the booklet for  
Yxy(77.4521, 0.2479, 0.3848)  
contains.

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# Color

**Yxy(77.4521, 0.2479, 0.3848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44FFD3
RGB	68, 255, 211
RGB Percent	27%, 100%, 83%
CMY	0.7334, 0.0000, 0.1726
CMYK	0.73, 0.00, 0.17, 0.00
HSL	166°, 100%, 63%
HSV	166°, 73%, 100%
XYZ	49.8970, 77.4521, 73.9297
YIQ	194.0710, -97.3280, -53.3280

# Conversions

## Conversions Part 2

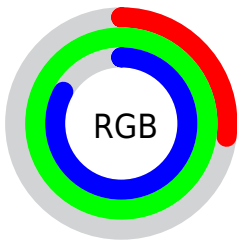
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 174, 255
Decimal	4521939
CIELab	90.53, -55.83, 7.89
CIElCh	91, 56.382, 171.960
Yxy	77.4521, 0.2479, 0.3848
Android (android.graphics.Color)	4282712019 (0xFF44FFD3)
YUV	194.0710, 8.3460, -110.5643
Hunter-Lab	88.0069, -52.8084, 11.7986

# Details

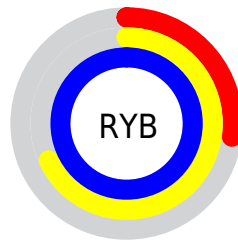
The Yxy color **77.4521, 0.2479, 0.3848** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.5605, 0.5091, 0.2925**, and the grayscale version is **53.9781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.4286, 0.2459, 0.3936**, and if you desaturate by 10%, it is **78.8803, 0.2519, 0.3760**.

# Distribution



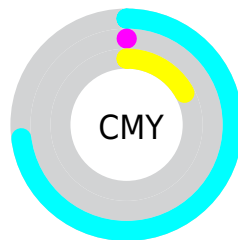
- Red (27%)
- Green (100%)
- Blue (83%)



- Red (27%)
- Yellow (68%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (73%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4521, 0.2479, 0.3848 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 77.4521, 0.2479, 0.3848 by changing the saturation by 10% instead.



 77.4521, 0.2479,  
0.3848

 77.4521, 0.2479,  
0.3848


486.3041, 0.2777,  
0.3585

 57.6240, 0.2412,  
0.3909


 129.7775, 0.2582,  
0.3756

 41.5064, 0.2329,  
0.3985


 163.0435, 0.2622,  
0.3720

 28.7150, 0.2224,  
0.4082

 201.5577, 0.2657,  
0.3690

 18.8653, 0.2089,  
0.4209

 245.7044, 0.2687,  
0.3663

 11.5730, 0.1909,  
0.4385

295.8680, 0.2714,  
0.3640

 6.4537, 0.1657,  
0.4639


352.4329, 0.2737,


 3.1228, 0.1287,

0.3620


0.5040


415.7834, 0.2758,  
0.3602

 1.1962, 0.0000,  
0.6249


 0.0586, 0.0000,  
1.0000

 77.4521, 0.2479,  
0.3848


 77.4521, 0.2479,  
0.3848


 76.4286, 0.2459,  
0.3936


 78.8803, 0.2519,  
0.3760

 75.7610, 0.2459,  
0.4024

 80.7665, 0.2578,  
0.3674

 75.4590, 0.2467,  
0.4082

 83.1479, 0.2655,  
0.3591

 86.0600, 0.2748,  
0.3512

■ 89.5350, 0.2852,  
0.3439

■ 93.6023, 0.2966,  
0.3371

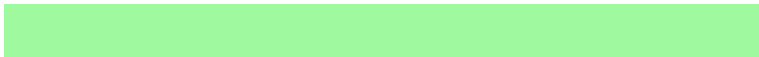
■ 98.2894, 0.3086,  
0.3309

■ 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.



77.4521, 0.3071, 0.4384



77.4521, 0.2479, 0.3848



77.4521, 0.2086, 0.3155

# Triad

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



77.4521, 0.2479, 0.3848



77.4521, 0.2474, 0.2275



77.4521, 0.4451, 0.3763

# Complementary

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



77.4521, 0.2479, 0.3848



26.5605, 0.5091, 0.2925

# 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.



77.4521, 0.4280, 0.3259



77.4521, 0.2479, 0.3848



77.4521, 0.3069, 0.2448

# Square

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



77.4521, 0.2479, 0.3848



77.4521, 0.2090, 0.2317



77.4521, 0.3750, 0.2796



77.4521, 0.4225, 0.4224



# Rectangle

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



77.4521, 0.2479, 0.3848



77.4521, 0.1970, 0.2763



77.4521, 0.3750, 0.2796



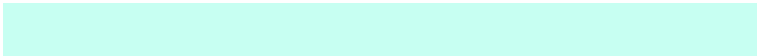
77.4521, 0.4441, 0.3595

# Sweetspot

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



77.4497, 0.2479, 0.3848



90.0469, 0.2867, 0.3429



75.5634, 0.3197, 0.5510



19.0552, 0.2837, 0.3448



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.



77.4497, 0.2479, 0.3848



76.0778, 0.2457, 0.3978



53.6781, 0.2159, 0.2692



20.4040, 0.3011, 0.3347



39.4533, 0.2463, 0.4068



3.8583, 0.2436, 0.3968



# Inverse Universe

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



26.5605, 0.5091, 0.2925



22.8503, 0.5656, 0.2985



33.8765, 0.5275, 0.3694



18.0571, 0.3257, 0.3234



11.2984, 0.5980, 0.3068

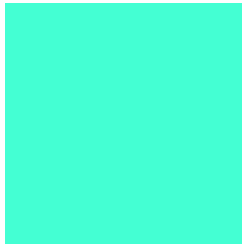


1.1161, 0.5669, 0.2897



# Previews

## White Background



This preview shows how the Yxy color 77.4521, 0.2479, 0.3848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

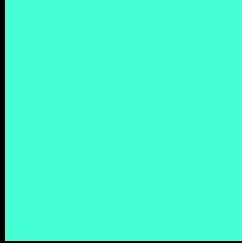
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4521, 0.2479, 0.3848 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 77.4521, 0.2479, 0.3848**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4521, 0.2479, 0.3848.

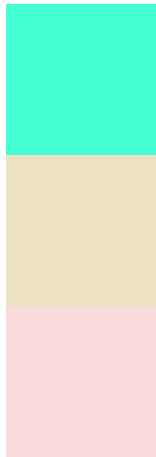


This preview shows how white text looks on a background with the Yxy color 77.4521, 0.2479, 0.3848.

# 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

77.4521, 0.2479, 0.3848

### Protanopia

75.7951, 0.3415, 0.3610

### Deuteranopia

75.5813, 0.3354, 0.3280



## Tritanopia

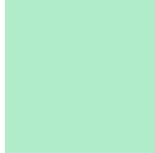
76.9029, 0.2550, 0.3130

# Trichromacy



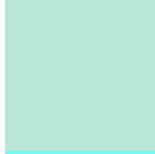
## Original Color

77.4521, 0.2479, 0.3848



## Protanomaly

73.4381, 0.2948, 0.3705



## Deuteranomaly

72.3000, 0.2909, 0.3463



## Tritanomaly

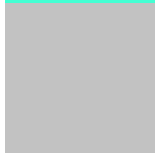
76.2811, 0.2500, 0.3372

# Monochromacy



## Original Color

77.4521, 0.2479, 0.3848



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

59.5778, 0.2769, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4521, 0.2479, 0.3848 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(68, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(68, 255, 211)  
}
```

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(68, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4521, 0.2479, 0.3848 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(68, 255, 211) }
```

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

```
.border{ border-color:rgb(68, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(68, 255,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4521, 0.2479, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 255, 211) }
```

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

```
.background{ background-color: rgb(68, 255,  
211) }
```

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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