

# Converting Colors

$Y_{xy}(77.0642, 0.2405, 0.3755)$

Have a look what the booklet for  
Yxy(77.0642, 0.2405, 0.3755)  
contains.

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# Color

**Yxy(77.0534, 0.2406, 0.3759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29FFDA
RGB	41, 255, 218
RGB Percent	16%, 100%, 85%
CMY	0.8407, 0.0000, 0.1450
CMYK	0.84, 0.00, 0.15, 0.00
HSL	170°, 100%, 58%
HSV	170°, 84%, 100%
XYZ	49.3191, 77.0534, 78.6113
YIQ	186.7960, -115.6670, -56.8750

# Conversions

## Conversions Part 2

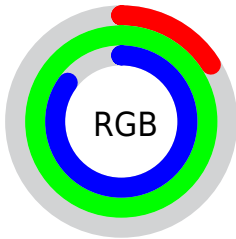
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 158, 255
Decimal	2752474
CIELab	90.35, -56.60, 3.94
CIELCh	90, 56.739, 176.023
Yxy	77.0534, 0.2406, 0.3759
Android (android.graphics.Color)	4280942554 (0xFF29FFDA)
YUV	186.7960, 15.3836, -127.8631
Hunter-Lab	87.7801, -53.3252, 8.3490

# Details

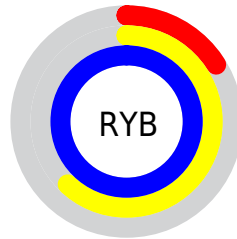
The Yxy color **77.0534, 0.2406, 0.3759** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.3646, 0.5700, 0.3070**, and the grayscale version is **49.4678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **42.5768, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **76.4580, 0.2401, 0.3821**, and if you desaturate by 10%, it is **77.9788, 0.2429, 0.3696**.

# Distribution



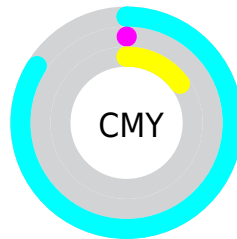
- Red (16%)
- Green (100%)
- Blue (85%)



- Red (16%)
- Yellow (62%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (84%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0534, 0.2406, 0.3759 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 77.0534, 0.2406, 0.3759 by changing the saturation by 10% instead.



 77.0534, 0.2406,  
0.3759


 77.0534, 0.2406,  
0.3759

484.9461, 0.2735,  
0.3542


 57.2967, 0.2332,  
0.3809


 129.2149, 0.2519,  
0.3684


 41.2435, 0.2242,  
0.3870


 162.3884, 0.2563,  
0.3654

 28.5094, 0.2130,  
0.3947


 200.8030, 0.2602,  
0.3629

 18.7100, 0.1985,  
0.4047

 244.8431, 0.2635,  
0.3607

 11.4609, 0.1794,  
0.4183

294.8931, 0.2665,  
0.3588

 6.3778, 0.1531,  
0.4375


351.3373, 0.2691,


 3.0761, 0.1152,

0.3571

0.4666


414.5602, 0.2714,  
0.3555


 1.1716, 0.0000,  
0.5466


 0.0383, 0.0000,  
1.0000


 77.0534, 0.2406,  
0.3759


 77.0534, 0.2406,  
0.3759


 76.4580, 0.2401,  
0.3821


 77.9788, 0.2429,  
0.3696


 76.2234, 0.2405,  
0.3858


 79.3118, 0.2473,  
0.3633


 81.0922, 0.2536,  
0.3572


 83.3599, 0.2617,  
0.3512

 86.1506, 0.2714,  
0.3455

 89.4966, 0.2824,  
0.3402

 93.4274, 0.2945,  
0.3352

 97.9705, 0.3074,  
0.3307

 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.



77.0534, 0.2982, 0.4343



77.0534, 0.2406, 0.3759



77.0534, 0.2045, 0.3065

# Triad

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



77.0534, 0.2406, 0.3759



77.0534, 0.2539, 0.2279



77.0534, 0.4453, 0.3833

# Complementary

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



77.0534, 0.2406, 0.3759



23.3646, 0.5700, 0.3070

# 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.



77.0534, 0.4337, 0.3326



77.0534, 0.2406, 0.3759



77.0534, 0.3161, 0.2481

# Square

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



77.0534, 0.2406, 0.3759



77.0534, 0.2121, 0.2290



77.0534, 0.3842, 0.2850



77.0534, 0.4176, 0.4283



# Rectangle

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



77.0534, 0.2406, 0.3759



77.0534, 0.1953, 0.2691



77.0534, 0.3842, 0.2850



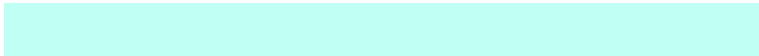
77.0534, 0.4461, 0.3665

# Sweetspot

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



77.0464, 0.2406, 0.3759



89.1605, 0.2814, 0.3407



73.3798, 0.3107, 0.5779



18.8225, 0.2774, 0.3425



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.



77.0464, 0.2406, 0.3759



76.2234, 0.2405, 0.3858



43.2732, 0.2030, 0.2390



20.4245, 0.3003, 0.3331



39.8481, 0.2402, 0.3847



3.8934, 0.2382, 0.3776



# Inverse Universe

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



23.3646, 0.5700, 0.3070



21.4418, 0.6181, 0.3178



32.2508, 0.5528, 0.3789



18.0382, 0.3267, 0.3249



11.2186, 0.6148, 0.3161

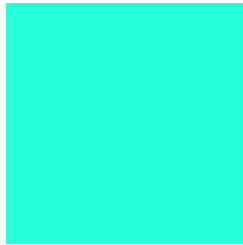


1.1058, 0.5865, 0.3004



# Previews

## White Background



This preview shows how the Yxy color 77.0534, 0.2406, 0.3759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

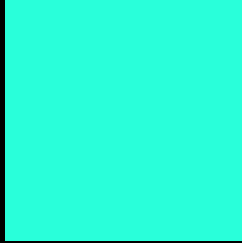
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.0534, 0.2406, 0.3759 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

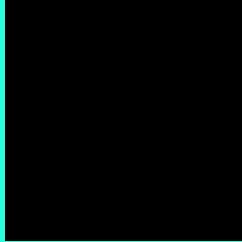
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

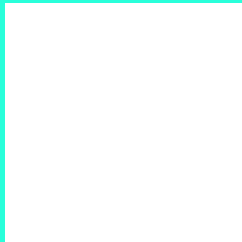
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.0534, 0.2406, 0.3759**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.0534, 0.2406, 0.3759.

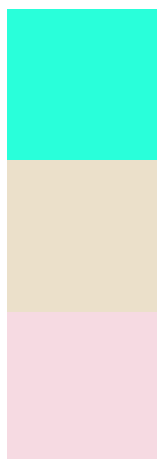


This preview shows how white text looks on a background with the Yxy color 77.0534, 0.2406, 0.3759.

# 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

77.0534, 0.2406, 0.3759

### Protanopia

75.2377, 0.3353, 0.3525

### Deuteranopia

75.2266, 0.3276, 0.3209



## Tritanopia

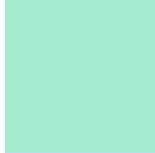
76.4265, 0.2527, 0.3129

# Trichromacy



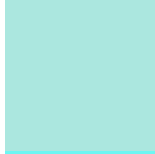
## Original Color

77.0534, 0.2406, 0.3759



## Protanomaly

71.8632, 0.2837, 0.3614



## Deuteranomaly

71.1375, 0.2791, 0.3383



## Tritanomaly

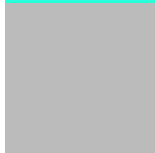
75.5735, 0.2441, 0.3336

# Monochromacy



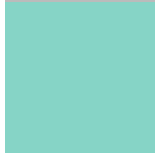
## Original Color

77.0534, 0.2406, 0.3759



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

56.2325, 0.2693, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.0534, 0.2406, 0.3759 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(41, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 218)  
}
```

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(41, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 77.0534, 0.2406, 0.3759 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(41, 255, 218) }
```

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

```
.border{ border-color:rgb(41, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.0534, 0.2406, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 218) }
```

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

```
.background{ background-color: rgb(41, 255,  
218) }
```

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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