

# Converting Colors

$Yxy(91.6522, 0.2567, 0.4191)$

Have a look what the booklet for  
Yxy(91.6522, 0.2567, 0.4191)  
contains.

<b>Yxy(76.9776, 0.2514, 0.3970)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.9776, 0.2514, 0.3970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43FFCA
RGB	67, 255, 202
RGB Percent	26%, 100%, 79%
CMY	0.7365, 0.0000, 0.2078
CMYK	0.74, 0.00, 0.21, 0.00
HSL	163°, 100%, 63%
HSV	163°, 74%, 100%
XYZ	48.7460, 76.9776, 68.1746
YIQ	192.7460, -95.0350, -56.3390

# Conversions

## Conversions Part 2

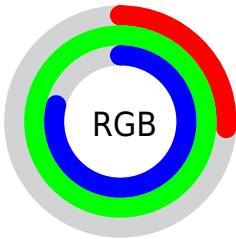
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 176, 255
Decimal	4456394
CIELab	90.31, -58.01, 12.20
CIELCh	90, 59.282, 168.129
Yxy	76.9776, 0.2514, 0.3970
Android (android.graphics.Color)	4282646474 (0xFF43FFCA)
YUV	192.7460, 4.5622, -110.2792
Hunter-Lab	87.7369, -54.3661, 15.3454

# Details

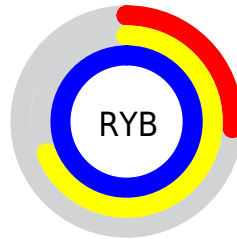
The Yxy color **76.9776, 0.2514, 0.3970** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.6558, 0.4973, 0.2841**, and the grayscale version is **53.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **42.0706, 0.2477, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **75.9334, 0.2499, 0.4078**, and if you desaturate by 10%, it is **78.4404, 0.2549, 0.3862**.

# Distribution



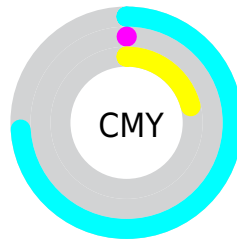
- Red (26%)
- Green (100%)
- Blue (79%)



- Red (26%)
- Yellow (69%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (74%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9776, 0.2514, 0.3970 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 76.9776, 0.2514, 0.3970 by changing the saturation by 10% instead.





 76.9776, 0.2514,  
0.3970


 76.9776, 0.2514,  
0.3970


484.6877, 0.2800,  
0.3645

 57.2345, 0.2449,  
0.4047


 129.1079, 0.2613,  
0.3855


 41.1935, 0.2368,  
0.4142

 162.2638, 0.2652,  
0.3811

 28.4703, 0.2265,  
0.4266


 200.6595, 0.2685,  
0.3774

 18.6805, 0.2132,  
0.4430

 244.6793, 0.2714,  
0.3741

 11.4397, 0.1951,  
0.4658

294.7076, 0.2739,  
0.3712

 6.3634, 0.1695,  
0.4996


351.1288, 0.2762,


 3.0673, 0.1303,

0.3687

0.5545


414.3274, 0.2782,  
0.3665


 1.1670, 0.0000,  
0.7494


 0.0345, 0.0000,  
1.0000


 76.9776, 0.2514,  
0.3970


 76.9776, 0.2514,  
0.3970

 75.9334, 0.2499,  
0.4078


 78.4404, 0.2549,  
0.3862

 75.2423, 0.2504,  
0.4185

 80.3590, 0.2604,  
0.3757

 74.9371, 0.2515,  
0.4253

 82.7767, 0.2677,  
0.3656

 85.7289, 0.2764,  
0.3561

89.2479, 0.2863,  
0.3472

93.3635, 0.2971,  
0.3390

98.1031, 0.3085,  
0.3315

99.9956, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.9776, 0.3150, 0.4492



76.9776, 0.2514, 0.3970



76.9776, 0.2073, 0.3233

# Triad

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



76.9776, 0.2514, 0.3970



76.9776, 0.2376, 0.2221



76.9776, 0.4522, 0.3711

# Complementary

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



76.9776, 0.2514, 0.3970



26.6558, 0.4973, 0.2841

# 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.



76.9776, 0.4289, 0.3187



76.9776, 0.2514, 0.3970



76.9776, 0.2975, 0.2376

# Square

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



76.9776, 0.2514, 0.3970



76.9776, 0.2010, 0.2293



76.9776, 0.3693, 0.2717



76.9776, 0.4328, 0.4209



# Rectangle

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



76.9776, 0.2514, 0.3970



76.9776, 0.1930, 0.2802



76.9776, 0.3693, 0.2717



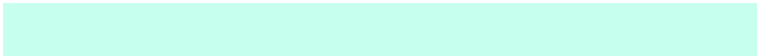
76.9776, 0.4493, 0.3534

# Sweetspot

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



76.9806, 0.2514, 0.3970



89.8908, 0.2881, 0.3458



75.9449, 0.3226, 0.5496



19.0180, 0.2852, 0.3481



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.



76.9806, 0.2514, 0.3970



75.5976, 0.2499, 0.4125



56.6659, 0.2178, 0.2773



20.3889, 0.3018, 0.3358



39.1855, 0.2510, 0.4235



3.8341, 0.2476, 0.4113



# Inverse Universe

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



26.6558, 0.4973, 0.2841



23.0256, 0.5504, 0.2898



32.3662, 0.5346, 0.3635



18.0713, 0.3250, 0.3223



11.3747, 0.5831, 0.2986

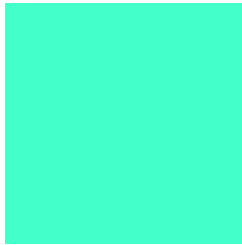


1.1252, 0.5511, 0.2810



# Previews

## White Background



This preview shows how the Yxy color 76.9776, 0.2514, 0.3970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

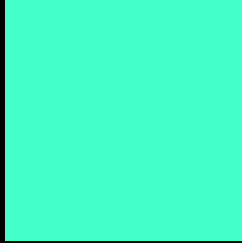
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9776, 0.2514, 0.3970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

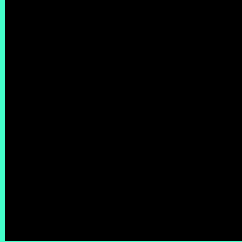
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.9776, 0.2514, 0.3970**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9776, 0.2514, 0.3970.

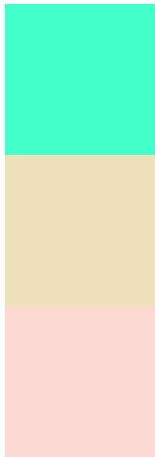


This preview shows how white text looks on a background with the Yxy color 76.9776, 0.2514, 0.3970.

# 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

76.9776, 0.2514, 0.3970

### Protanopia

75.6154, 0.3477, 0.3695

### Deuteranopia

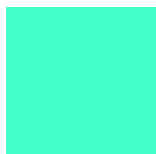
74.9743, 0.3435, 0.3362



## Tritanopia

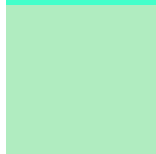
76.0242, 0.2534, 0.3118

# Trichromacy



## Original Color

76.9776, 0.2514, 0.3970



## Protanomaly

73.0268, 0.3000, 0.3816



## Deuteranomaly

71.9711, 0.2969, 0.3570



## Tritanomaly

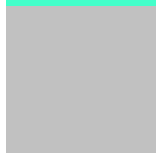
75.3540, 0.2503, 0.3396

# Monochromacy



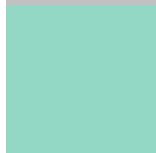
## Original Color

76.9776, 0.2514, 0.3970



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

59.3003, 0.2786, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9776, 0.2514, 0.3970 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(67, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(67, 255, 202)  
}
```

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(67, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 255, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9776, 0.2514, 0.3970 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(67, 255, 202) }
```

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

```
.border{ border-color:rgb(67, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(67, 255,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9776, 0.2514, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 255, 202) }
```

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

```
.background{ background-color: rgb(67, 255,  
202) }
```

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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