

# Converting Colors

$Yxy(82.1624, 0.2585, 0.4164)$

Have a look what the booklet for  
Yxy(82.1624, 0.2585, 0.4164)  
contains.

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# Color

**Yxy(76.9109, 0.2566, 0.4077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BFFC2
RGB	75, 255, 194
RGB Percent	29%, 100%, 76%
CMY	0.7053, 0.0000, 0.2392
CMYK	0.71, 0.00, 0.24, 0.00
HSL	160°, 100%, 65%
HSV	160°, 71%, 100%
XYZ	48.4065, 76.9109, 63.3284
YIQ	194.2260, -87.6990, -57.1310

# Conversions

## Conversions Part 2

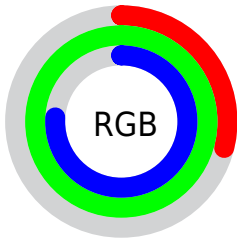
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 183, 255
Decimal	4980674
CIELab	90.28, -58.81, 16.30
CIELCh	90, 61.029, 164.513
Yxy	76.9109, 0.2566, 0.4077
Android (android.graphics.Color)	4283170754 (0xFF4BFFC2)
YUV	194.2260, -0.1114, -104.5612
Hunter-Lab	87.6989, -54.9476, 18.5752

# Details

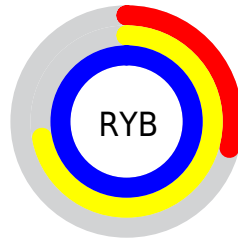
The Yxy color **76.9109, 0.2566, 0.4077** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **28.0925, 0.4702, 0.2740**, and the grayscale version is **54.1536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5048, 0.2558, 0.3333**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.7040, 0.2549, 0.4210**, and if you desaturate by 10%, it is **78.5584, 0.2603, 0.3946**.

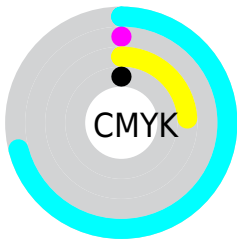
# Distribution



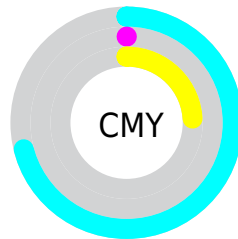
- Red (29%)
- Green (100%)
- Blue (76%)



- Red (29%)
- Yellow (72%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9109, 0.2566, 0.4077 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 76.9109, 0.2566, 0.4077 by changing the saturation by 10% instead.




 76.9109, 0.2566,  
0.4077


 76.9109, 0.2566,  
0.4077


484.4602, 0.2831,  
0.3697


 57.1797, 0.2504,  
0.4167


 129.0137, 0.2659,  
0.3942


 41.1496, 0.2428,  
0.4281

 162.1541, 0.2695,  
0.3891

 28.4360, 0.2330,  
0.4428


 200.5331, 0.2726,  
0.3847

 18.6546, 0.2201,  
0.4625

 244.5351, 0.2752,  
0.3809

 11.4209, 0.2025,  
0.4901

294.5444, 0.2776,  
0.3775

 6.3507, 0.1771,  
0.5314


350.9454, 0.2796,


 3.0595, 0.1368,


0.3746


0.5993


414.1225, 0.2815,  
0.3720


 1.1629, 0.0000,  
0.9209

 0.0311, 0.0000,  
1.0000


 76.9109, 0.2566,  
0.4077


 76.9109, 0.2566,  
0.4077


 75.7040, 0.2549,  
0.4210


 78.5584, 0.2603,  
0.3946


 74.8757, 0.2553,  
0.4341

 80.6818, 0.2659,  
0.3818

 74.3636, 0.2573,  
0.4463

 83.3226, 0.2731,  
0.3697

 86.5155, 0.2816,  
0.3583

 90.2921, 0.2912,  
0.3477

 94.6814, 0.3015,  
0.3381

99.7107, 0.3121,  
0.3294

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.9109, 0.3233, 0.4564



76.9109, 0.2566, 0.4077



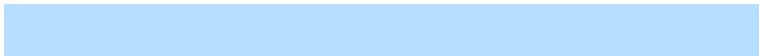
76.9109, 0.2085, 0.3319

# Triad

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



76.9109, 0.2566, 0.4077



76.9109, 0.2297, 0.2190



76.9109, 0.4557, 0.3652

# Complementary

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



76.9109, 0.2566, 0.4077



28.0925, 0.4702, 0.2740

# 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.



76.9109, 0.4266, 0.3119



76.9109, 0.2566, 0.4077



76.9109, 0.2885, 0.2322

# Square

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



76.9109, 0.2566, 0.4077



76.9109, 0.1954, 0.2292



76.9109, 0.3621, 0.2651



76.9109, 0.4405, 0.4173



# Rectangle

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



76.9109, 0.2566, 0.4077



76.9109, 0.1916, 0.2858



76.9109, 0.3621, 0.2651



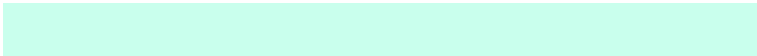
76.9109, 0.4510, 0.3472

# Sweetspot

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



76.9139, 0.2566, 0.4077



90.1049, 0.2907, 0.3482



77.4386, 0.3299, 0.5374



19.0518, 0.2880, 0.3511



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.



76.9139, 0.2566, 0.4077



75.2929, 0.2549, 0.4269



64.2182, 0.2241, 0.2954



20.3706, 0.3025, 0.3372



38.8870, 0.2567, 0.4442



3.8067, 0.2526, 0.4294



# Inverse Universe

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



28.0925, 0.4702, 0.2740



23.8269, 0.5205, 0.2765



31.2958, 0.5324, 0.3524



18.0887, 0.3241, 0.3210



11.4889, 0.5625, 0.2872

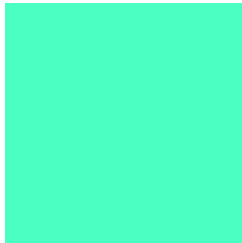


1.1381, 0.5307, 0.2697



# Previews

## White Background



This preview shows how the Yxy color 76.9109, 0.2566, 0.4077 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

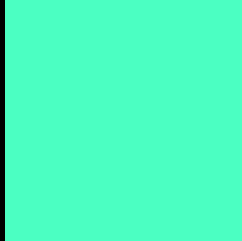
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9109, 0.2566, 0.4077 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

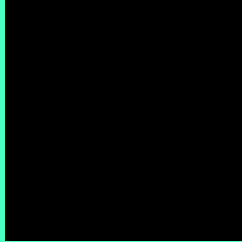
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.9109, 0.2566, 0.4077**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9109, 0.2566, 0.4077.



This preview shows how white text looks on a background with the Yxy color 76.9109, 0.2566, 0.4077.

# 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

76.9109, 0.2566, 0.4077

### Protanopia

75.4558, 0.3540, 0.3780

### Deuteranopia

75.1500, 0.3516, 0.3444



## Tritanopia

76.1195, 0.2539, 0.3118

# Trichromacy



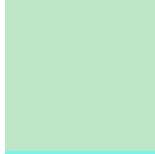
## Original Color

76.9109, 0.2566, 0.4077



## Protanomaly

73.0353, 0.3066, 0.3912



## Deuteranomaly

72.2225, 0.3049, 0.3663



## Tritanomaly

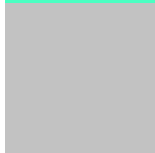
75.3990, 0.2528, 0.3433

# Monochromacy



## Original Color

76.9109, 0.2566, 0.4077



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

59.5861, 0.2823, 0.3574

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9109, 0.2566, 0.4077 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(75, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 194)  
}
```

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(75, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9109, 0.2566, 0.4077 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(75, 255, 194) }
```

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

```
.border{ border-color:rgb(75, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9109, 0.2566, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 194) }
```

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

```
.background{ background-color: rgb(75, 255,  
194) }
```

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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