

# Converting Colors

$Yxy(80.4446, 0.2625, 0.4361)$

Have a look what the booklet for  
Yxy(80.4446, 0.2625, 0.4361)  
contains.

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# Color

**Yxy(75.9680, 0.2610, 0.4291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43FFB3
RGB	67, 255, 179
RGB Percent	26%, 100%, 70%
CMY	0.7374, 0.0000, 0.2981
CMYK	0.74, 0.00, 0.30, 0.00
HSL	156°, 100%, 63%
HSV	156°, 74%, 100%
XYZ	46.2075, 75.9680, 54.8648
YIQ	190.1240, -87.6520, -63.4920

# Conversions

## Conversions Part 2

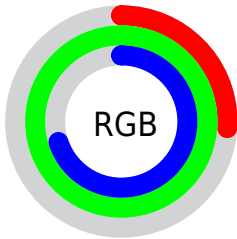
<b>Format</b>	<b>Color</b>
<b>RYB</b>	67, 185, 255
Decimal	4456371
CIELab	89.84, -63.07, 23.34
CIELCh	90, 67.253, 159.693
Yxy	75.9680, 0.2610, 0.4291
Android (android.graphics.Color)	4282646451 (0xFF43FFB3)
YUV	190.1240, -5.4841, -107.9797
Hunter-Lab	87.1596, -57.8979, 23.6902

# Details

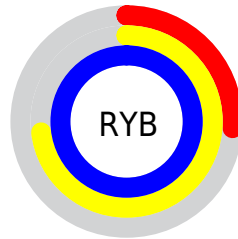
The Yxy color **75.9680, 0.2610, 0.4291** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **27.2523, 0.4628, 0.2617**, and the grayscale version is **51.6291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0071, 0.2604, 0.3520**, and **41.4389, 0.2589, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **74.8533, 0.2606, 0.4450**, and if you desaturate by 10%, it is **77.5059, 0.2635, 0.4131**.

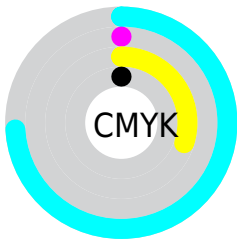
# Distribution



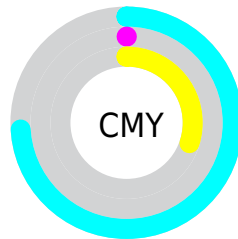
- Red (26%)
- Green (100%)
- Blue (70%)



- Red (26%)
- Yellow (73%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (74%)
- Magenta (0%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9680, 0.2610, 0.4291 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 75.9680, 0.2610, 0.4291 by changing the saturation by 10% instead.




 75.9680, 0.2610,  
0.4291

 75.9680, 0.2610,  
0.4291


481.2381, 0.2862,  
0.3801


 56.4063, 0.2550,  
0.4410

 127.6817, 0.2700,  
0.4115


 40.5287, 0.2474,  
0.4559


 160.6024, 0.2734,  
0.4049

 27.9510, 0.2376,  
0.4754


 198.7449, 0.2763,  
0.3992

 18.2888, 0.2244,  
0.5017

 242.4936, 0.2788,  
0.3943

 11.1575, 0.2059,  
0.5390

292.2329, 0.2810,  
0.3900

 6.1729, 0.1784,  
0.5949


348.3472, 0.2829,

 2.9505, 0.1288,


0.3863


0.6927


411.2208, 0.2846,  
0.3830


 1.1059, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.9680, 0.2610,  
0.4291


 75.9680, 0.2610,  
0.4291

 74.8533, 0.2606,  
0.4450

 77.5059, 0.2635,  
0.4131

 74.1110, 0.2622,  
0.4607

 79.5203, 0.2680,  
0.3975

 73.7841, 0.2639,  
0.4702

 82.0495, 0.2741,  
0.3825

 85.1296, 0.2816,  
0.3684

■ 88.7933, 0.2901,  
0.3554

■ 93.0707, 0.2994,  
0.3435

■ 97.9898, 0.3090,  
0.3327

■ 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.



75.9680, 0.3353, 0.4746



75.9680, 0.2610, 0.4291



75.9680, 0.2048, 0.3451

# Triad

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



75.9680, 0.2610, 0.4291



75.9680, 0.2139, 0.2091



75.9680, 0.4688, 0.3573

# Complementary

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



75.9680, 0.2610, 0.4291



27.2523, 0.4628, 0.2617

# 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.



75.9680, 0.4293, 0.3006



75.9680, 0.2610, 0.4291



75.9680, 0.2738, 0.2199

# Square

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



75.9680, 0.2610, 0.4291



75.9680, 0.1818, 0.2240



75.9680, 0.3536, 0.2523



75.9680, 0.4582, 0.4151



# Rectangle

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



75.9680, 0.2610, 0.4291



75.9680, 0.1837, 0.2915



75.9680, 0.3536, 0.2523



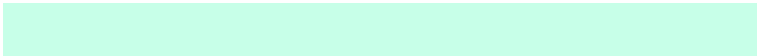
75.9680, 0.4611, 0.3379

# Sweetspot

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



75.9659, 0.2610, 0.4291



89.4929, 0.2917, 0.3532



77.9728, 0.3362, 0.5404



18.9236, 0.2892, 0.3566



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.



75.9659, 0.2610, 0.4291



74.4957, 0.2610, 0.4518



70.3384, 0.2260, 0.3097



20.3499, 0.3034, 0.3388



38.5841, 0.2632, 0.4677



3.7785, 0.2584, 0.4501



# Inverse Universe

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



27.2523, 0.4628, 0.2617



23.6075, 0.5068, 0.2648



27.7951, 0.5568, 0.3415



18.1088, 0.3230, 0.3194



11.6491, 0.5367, 0.2730

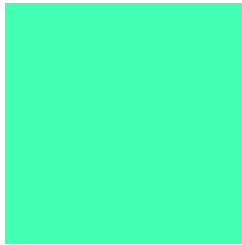


1.1552, 0.5067, 0.2565



# Previews

## White Background



This preview shows how the Yxy color 75.9680, 0.2610, 0.4291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

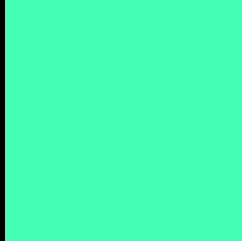
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9680, 0.2610, 0.4291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

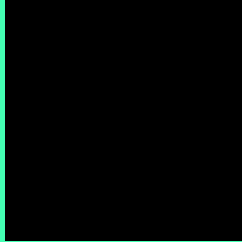
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.9680, 0.2610, 0.4291**

## Background



This preview shows how black text looks on a background with the Yxy color 75.9680, 0.2610, 0.4291.



This preview shows how white text looks on a background with the Yxy color 75.9680, 0.2610, 0.4291.

# 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

75.9680, 0.2610, 0.4291

### Protanopia

74.5532, 0.3647, 0.3918

### Deuteranopia

74.1775, 0.3591, 0.3537



## Tritanopia

74.9727, 0.2510, 0.3105

# Trichromacy



## Original Color

75.9680, 0.2610, 0.4291



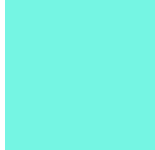
## Protanomaly

71.6661, 0.3135, 0.4078



## Deuteranomaly

70.7463, 0.3103, 0.3801



## Tritanomaly

74.6328, 0.2532, 0.3508

# Monochromacy



## Original Color

75.9680, 0.2610, 0.4291



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

57.6580, 0.2831, 0.3661

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9680, 0.2610, 0.4291 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(67, 255, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 255, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9680, 0.2610, 0.4291 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, 179) }
```

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

```
.border{ border-color:rgb(67, 255, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(67, 255,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9680, 0.2610, 0.4291 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, 179) }
```

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

```
.background{ background-color: rgb(67, 255,  
179) }
```

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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