

# Converting Colors

$Y_{xy}(76.1271, 0.2545, 0.4142)$

Have a look what the booklet for  
Yxy(76.1271, 0.2545, 0.4142)  
contains.

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# Color

**Yxy(76.1372, 0.2545, 0.4141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AFFBE
RGB	58, 255, 190
RGB Percent	23%, 100%, 75%
CMY	0.7729, 0.0000, 0.2550
CMYK	0.77, 0.00, 0.25, 0.00
HSL	160°, 100%, 61%
HSV	160°, 77%, 100%
XYZ	46.7928, 76.1372, 60.9318
YIQ	188.6870, -96.5470, -61.9790

# Conversions

## Conversions Part 2

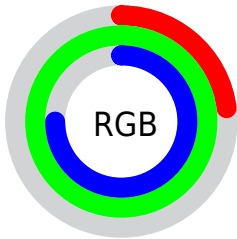
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 176, 255
Decimal	3866558
CIELab	89.92, -61.76, 17.81
CIELCh	90, 64.276, 163.911
Yxy	76.1372, 0.2545, 0.4141
Android (android.graphics.Color)	4282056638 (0xFF3AFFBE)
YUV	188.6870, 0.6473, -114.6125
Hunter-Lab	87.2566, -56.9755, 19.6771

# Details

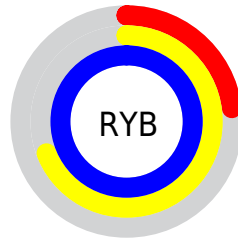
The Yxy color **76.1372, 0.2545, 0.4141** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **25.7051, 0.4967, 0.2756**, and the grayscale version is **50.7199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2422, 0.2535, 0.3391**, and **41.7101, 0.2538, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **75.1932, 0.2542, 0.4269**, and if you desaturate by 10%, it is **77.4729, 0.2569, 0.4013**.

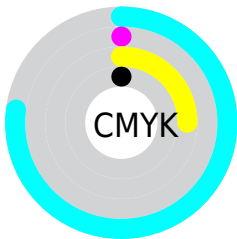
# Distribution



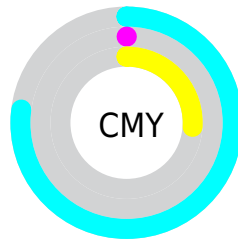
- Red (23%)
- Green (100%)
- Blue (75%)



- Red (23%)
- Yellow (69%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1372, 0.2545, 0.4141 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 76.1372, 0.2545, 0.4141 by changing the saturation by 10% instead.




 76.1372, 0.2545,  
0.4141


 76.1372, 0.2545,  
0.4141


481.8172, 0.2822,  
0.3728


 56.5450, 0.2480,  
0.4240


 127.9208, 0.2642,  
0.3994


 40.6401, 0.2400,  
0.4364


 160.8811, 0.2680,  
0.3938

 28.0379, 0.2297,  
0.4526


 199.0661, 0.2712,  
0.3890

 18.3543, 0.2161,  
0.4742

 242.8603, 0.2740,  
0.3849

 11.2046, 0.1974,  
0.5048

292.6482, 0.2764,  
0.3813

 6.2046, 0.1704,  
0.5505


348.8140, 0.2785,

 2.9699, 0.1245,


0.3781


0.6282


411.7422, 0.2804,  
0.3753


 1.1160, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 76.1372, 0.2545,  
0.4141


 76.1372, 0.2545,  
0.4141

 75.1932, 0.2542,  
0.4269


 77.4729, 0.2569,  
0.4013


 74.5877, 0.2557,  
0.4395

 79.2608, 0.2613,  
0.3886

 74.4555, 0.2564,  
0.4429


 81.5394, 0.2675,  
0.3764

 84.3458, 0.2753,  
0.3649

 87.7137, 0.2843,  
0.3540

 91.6736, 0.2942,  
0.3441

 96.2540, 0.3048,  
0.3350

 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.



76.1372, 0.3246, 0.4649



76.1372, 0.2545, 0.4141



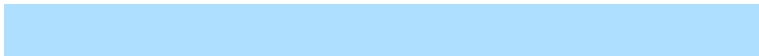
76.1372, 0.2038, 0.3332

# Triad

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



76.1372, 0.2545, 0.4141



76.1372, 0.2244, 0.2137



76.1372, 0.4635, 0.3649

# Complementary

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



76.1372, 0.2545, 0.4141



25.7051, 0.4967, 0.2756

# 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.



76.1372, 0.4320, 0.3095



76.1372, 0.2545, 0.4141



76.1372, 0.2856, 0.2272

# Square

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



76.1372, 0.2545, 0.4141



76.1372, 0.1894, 0.2246



76.1372, 0.3631, 0.2611



76.1372, 0.4476, 0.4199



# Rectangle

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



76.1372, 0.2545, 0.4141



76.1372, 0.1860, 0.2842



76.1372, 0.3631, 0.2611



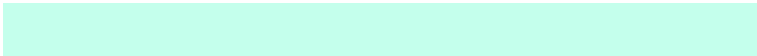
76.1372, 0.4583, 0.3461

# Sweetspot

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



76.1336, 0.2545, 0.4141



89.3386, 0.2885, 0.3497



76.0803, 0.3264, 0.5546



18.8278, 0.2850, 0.3533



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.



76.1336, 0.2545, 0.4141



74.8121, 0.2549, 0.4341



60.4398, 0.2186, 0.2875



20.3736, 0.3024, 0.3370



38.9334, 0.2558, 0.4408



3.8110, 0.2518, 0.4264



# Inverse Universe

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



25.7051, 0.4967, 0.2756



22.5339, 0.5498, 0.2844



29.0052, 0.5582, 0.3541



18.0859, 0.3242, 0.3212



11.4687, 0.5660, 0.2891

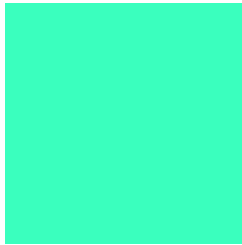


1.1359, 0.5341, 0.2716



# Previews

## White Background



This preview shows how the Yxy color 76.1372, 0.2545, 0.4141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

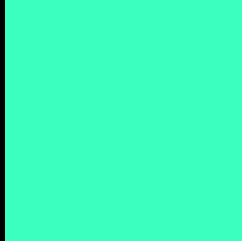
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1372, 0.2545, 0.4141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

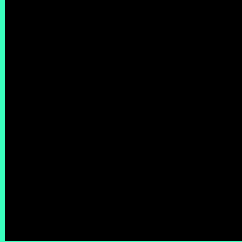
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.1372, 0.2545, 0.4141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1372, 0.2545, 0.4141.



This preview shows how white text looks on a background with the Yxy color 76.1372, 0.2545, 0.4141.

# 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

76.1372, 0.2545, 0.4141

### Protanopia

74.7572, 0.3570, 0.3813

### Deuteranopia

74.4953, 0.3540, 0.3465



## Tritanopia

75.5599, 0.2512, 0.3117

# Trichromacy



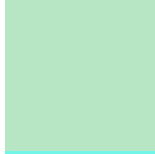
## Original Color

76.1372, 0.2545, 0.4141



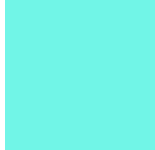
## Protanomaly

71.5962, 0.3051, 0.3958



## Deuteranomaly

70.6464, 0.3022, 0.3694



## Tritanomaly

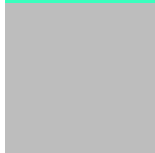
74.5850, 0.2499, 0.3459

# Monochromacy



## Original Color

76.1372, 0.2545, 0.4141



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.9253, 0.2788, 0.3610

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1372, 0.2545, 0.4141 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(58, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(58, 255, 190)  
}
```

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(58, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1372, 0.2545, 0.4141 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(58, 255, 190) }
```

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

```
.border{ border-color:rgb(58, 255, 190) }
```

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

Here you see how a box with a 4 pixel rgb(58, 255, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1372, 0.2545, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 190) }
```

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

```
.background{ background-color: rgb(58, 255,  
190) }
```

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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