

# Converting Colors

$Y_{xy}(76.1539, 0.2652, 0.4344)$

Have a look what the booklet for  
Yxy(76.1539, 0.2652, 0.4344)  
contains.

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# Color

**Yxy(76.1929, 0.2652, 0.4340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DFFAF
RGB	77, 255, 175
RGB Percent	30%, 100%, 69%
CMY	0.6980, 0.0000, 0.3137
CMYK	0.70, 0.00, 0.31, 0.00
HSL	153°, 100%, 65%
HSV	153°, 70%, 100%
XYZ	46.5584, 76.1929, 52.8084
YIQ	192.6580, -80.4080, -62.6160

# Conversions

## Conversions Part 2

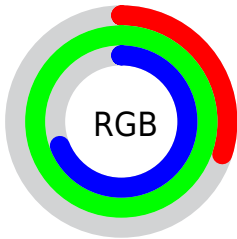
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 192, 255
Decimal	5111727
CIELab	89.95, -62.53, 25.53
CIELCh	90, 67.543, 157.788
Yxy	76.1929, 0.2652, 0.4340
Android (android.graphics.Color)	4283301807 (0xFF4DFFAF)
YUV	192.6580, -8.7054, -101.4321
Hunter-Lab	87.2885, -57.5457, 25.2324

# Details

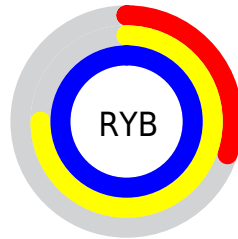
The Yxy color **76.1929, 0.2652, 0.4340** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **29.0038, 0.4390, 0.2547**, and the grayscale version is **53.2058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4005, 0.2653, 0.3566**, and **41.3376, 0.2610, 0.4595** is the 20% darker color. If you saturate the color by 10%, you get **74.9008, 0.2643, 0.4519**, and if you desaturate by 10%, it is **77.9394, 0.2681, 0.4162**.

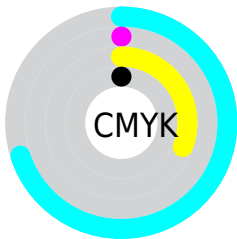
# Distribution



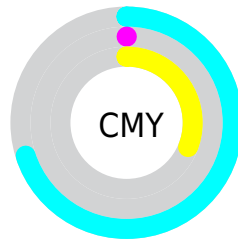
- Red (30%)
- Green (100%)
- Blue (69%)



- Red (30%)
- Yellow (75%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1929, 0.2652, 0.4340 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 76.1929, 0.2652, 0.4340 by changing the saturation by 10% instead.




 76.1929, 0.2652,  
0.4340

 76.1929, 0.2652,  
0.4340

482.0078, 0.2886,  
0.3824


 56.5907, 0.2595,  
0.4465


 127.9995, 0.2736,  
0.4155


 40.6767, 0.2523,  
0.4623


 160.9728, 0.2768,  
0.4085

 28.0666, 0.2430,  
0.4828


 199.1718, 0.2795,  
0.4026

 18.3758, 0.2303,  
0.5105

 242.9810, 0.2818,  
0.3974

 11.2202, 0.2123,  
0.5497

292.7849, 0.2838,  
0.3929

 6.2151, 0.1853,  
0.6085


348.9676, 0.2856,

 2.9763, 0.1374,


0.3890


0.7140

411.9138, 0.2872,  
0.3855

 1.1194, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 76.1929, 0.2652,  
0.4340


 76.1929, 0.2652,  
0.4340


 74.9008, 0.2643,  
0.4519


 77.9394, 0.2681,  
0.4162


 74.0092, 0.2655,  
0.4693


 80.1836, 0.2729,  
0.3989


 73.4349, 0.2684,  
0.4861

 82.9645, 0.2791,  
0.3825

 73.4248, 0.2685,  
0.4864

 86.3171, 0.2866,  
0.3671

 90.2731, 0.2949,  
0.3530

 94.8622, 0.3038,  
0.3402

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.



76.1929, 0.3402, 0.4760



76.1929, 0.2652, 0.4340



76.1929, 0.2072, 0.3507

# Triad

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



76.1929, 0.2652, 0.4340



76.1929, 0.2108, 0.2089



76.1929, 0.4683, 0.3536

# Complementary

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



76.1929, 0.2652, 0.4340



29.0038, 0.4390, 0.2547

# 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.



76.1929, 0.4256, 0.2971



76.1929, 0.2652, 0.4340



76.1929, 0.2691, 0.2182

# Square

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



76.1929, 0.2652, 0.4340



76.1929, 0.1804, 0.2256



76.1929, 0.3484, 0.2494



76.1929, 0.4607, 0.4117



# Rectangle

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



76.1929, 0.2652, 0.4340



76.1929, 0.1847, 0.2960



76.1929, 0.3484, 0.2494



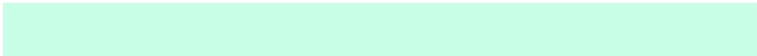
76.1929, 0.4594, 0.3343

# Sweetspot

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



76.1933, 0.2652, 0.4340



89.7656, 0.2939, 0.3547



79.2347, 0.3404, 0.5286



18.9709, 0.2915, 0.3585



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.



76.1933, 0.2652, 0.4340



74.4809, 0.2645, 0.4593



74.7709, 0.2301, 0.3181



20.3356, 0.3040, 0.3399



38.3966, 0.2677, 0.4837



3.7606, 0.2624, 0.4645



# Inverse Universe

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



29.0038, 0.4390, 0.2547



24.6404, 0.4789, 0.2535



28.4371, 0.5436, 0.3368



18.1228, 0.3223, 0.3184



11.7801, 0.5179, 0.2626

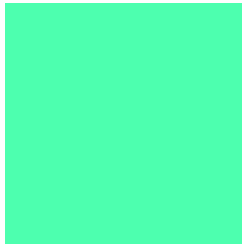


1.1686, 0.4898, 0.2472



# Previews

## White Background



This preview shows how the Yxy color 76.1929, 0.2652, 0.4340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

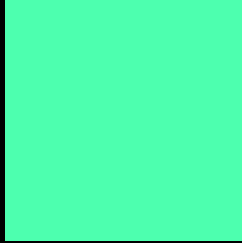
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1929, 0.2652, 0.4340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

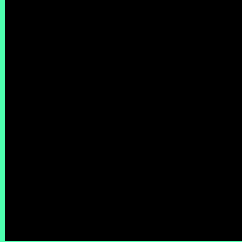
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.1929, 0.2652, 0.4340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1929, 0.2652, 0.4340.



This preview shows how white text looks on a background with the Yxy color 76.1929, 0.2652, 0.4340.

# 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

76.1929, 0.2652, 0.4340

### Protanopia

74.5853, 0.3682, 0.3959

### Deuteranopia

74.6034, 0.3603, 0.3568



## Tritanopia

75.2489, 0.2523, 0.3106

# Trichromacy



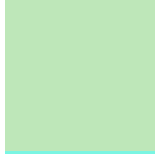
## Original Color

76.1929, 0.2652, 0.4340



## Protanomaly

71.9936, 0.3186, 0.4121



## Deuteranomaly

71.6018, 0.3135, 0.3833



## Tritanomaly

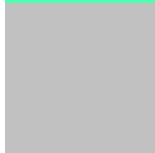
74.9334, 0.2556, 0.3520

# Monochromacy



## Original Color

76.1929, 0.2652, 0.4340



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

59.2362, 0.2871, 0.3682

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1929, 0.2652, 0.4340 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(77, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 175)  
}
```

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(77, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1929, 0.2652, 0.4340 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(77, 255, 175) }
```

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

```
.border{ border-color:rgb(77, 255, 175) }
```

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

Here you see how a box with a 4 pixel rgb(77, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1929, 0.2652, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 175) }
```

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

```
.background{ background-color: rgb(77, 255,  
175) }
```

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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