

# Converting Colors

Yxy(76.3788, 0.3171, 0.5313)

Have a look what the booklet for  
Yxy(76.3788, 0.3171, 0.5313)  
contains.

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**Color**

**Yxy(76.3788, 0.3171, 0.5313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AFF59
RGB	122, 255, 89
RGB Percent	48%, 100%, 35%
CMY	0.5217, 0.0000, 0.6509
CMYK	0.52, 0.00, 0.65, 0.00
HSL	108°, 100%, 67%
HSV	108°, 65%, 100%
XYZ	45.5858, 76.3788, 21.7938
YIQ	196.3090, -25.9820, -79.8220

# Conversions

## Conversions Part 2

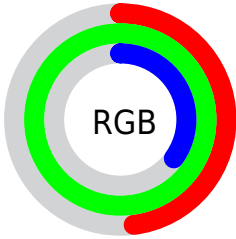
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 255, 222
Decimal	8060761
CIELab	90.03, -65.67, 65.83
CIELCh	90, 92.980, 134.929
Yxy	76.3788, 0.3171, 0.5313
Android (android.graphics.Color)	4286250841 (0xFF7AFF59)
YUV	196.3090, -52.9033, -65.1690
Hunter-Lab	87.3950, -59.8345, 46.3913

# Details

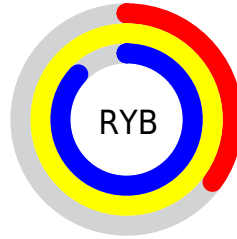
The Yxy color **76.3788, 0.3171, 0.5313** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **29.9056, 0.2887, 0.1668**, and the grayscale version is **55.7268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7547, 0.3293, 0.4548**, and **40.7596, 0.3086, 0.5821** is the 20% darker color. If you saturate the color by 10%, you get **74.6818, 0.3147, 0.5584**, and if you desaturate by 10%, it is **78.5331, 0.3184, 0.4996**.

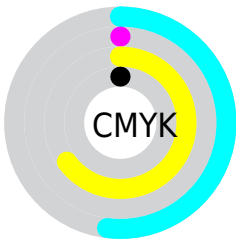
# Distribution



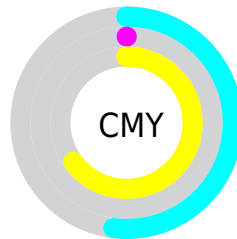
- Red (48%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (87%)



- Cyan (52%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3788, 0.3171, 0.5313 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 76.3788, 0.3171, 0.5313 by changing the saturation by 10% instead.




 76.3788, 0.3171,  
0.5313

 76.3788, 0.3171,  
0.5313


482.6434, 0.3222,  
0.4321

 56.7432, 0.3138,  
0.5543

 128.2622, 0.3206,  
0.4964

 40.7991, 0.3085,  
0.5824


 161.2788, 0.3214,  
0.4829

 28.1621, 0.2999,  
0.6172


 199.5245, 0.3219,  
0.4713

 18.4479, 0.2857,  
0.6603

 243.3837, 0.3222,  
0.4614

 11.2720, 0.2646,  
0.7211

293.2408, 0.3223,  
0.4526

 6.2501, 0.2216,  
0.7784


349.4802, 0.3224,


 2.9978, 0.1442,


0.4450


0.8558

412.4863, 0.3223,  
0.4382


 1.1306, 0.0000,  
1.0000


 0.0039, 0.0000,  
1.0000


 76.3788, 0.3171,  
0.5313

 76.3788, 0.3171,  
0.5313


 74.6818, 0.3147,  
0.5584


 78.5331, 0.3184,  
0.4996


 73.4132, 0.3115,  
0.5788


 81.1837, 0.3188,  
0.4657

 72.5288, 0.3077,  
0.5914

 84.3570, 0.3183,  
0.4317

 72.2139, 0.3059,  
0.5953

 88.0798, 0.3172,  
0.3991

 92.3769, 0.3156,  
0.3690

 97.2714, 0.3137,  
0.3417

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.



76.3788, 0.4143, 0.5123



76.3788, 0.3171, 0.5313



76.3788, 0.2237, 0.4536

# Triad

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



76.3788, 0.3171, 0.5313



76.3788, 0.1491, 0.1846



76.3788, 0.4871, 0.2991

# Complementary

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



76.3788, 0.3171, 0.5313



29.9056, 0.2887, 0.1668

# 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.



76.3788, 0.3868, 0.2376



76.3788, 0.3171, 0.5313



76.3788, 0.1937, 0.1748

# Square

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



76.3788, 0.3171, 0.5313



76.3788, 0.1377, 0.2309



76.3788, 0.2755, 0.1938



76.3788, 0.5252, 0.3690



# Rectangle

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



76.3788, 0.3171, 0.5313



76.3788, 0.1771, 0.3677



76.3788, 0.2755, 0.1938



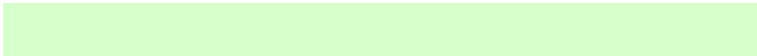
76.3788, 0.4586, 0.2773

# Sweetspot

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



76.3765, 0.3171, 0.5313



90.1943, 0.3164, 0.3834



74.1197, 0.4231, 0.4537



19.0514, 0.3168, 0.3920



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.



76.3765, 0.3171, 0.5313



74.2706, 0.3139, 0.5650



75.5033, 0.2843, 0.4821



20.3417, 0.3146, 0.3534



37.7821, 0.3067, 0.5947



3.7216, 0.3135, 0.5893



# Inverse Universe

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



29.9056, 0.2887, 0.1668



24.5839, 0.2818, 0.1454



32.8253, 0.3725, 0.2189



18.1076, 0.3106, 0.3054



10.5730, 0.2710, 0.1267

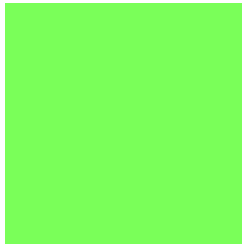


1.0736, 0.2770, 0.1299



# Previews

## White Background



This preview shows how the Yxy color 76.3788, 0.3171, 0.5313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

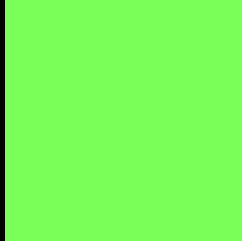
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3788, 0.3171, 0.5313 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

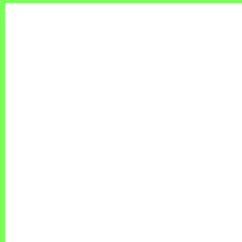
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3788, 0.3171, 0.5313**

## Background



This preview shows how black text looks on a background with the Yxy color 76.3788, 0.3171, 0.5313.

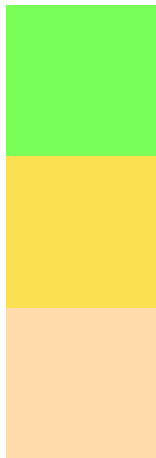


This preview shows how white text looks on a background with the Yxy color 76.3788, 0.3171, 0.5313.

# 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

76.3788, 0.3171, 0.5313

### Protanopia

74.9537, 0.4215, 0.4632

### Deuteranopia

74.9016, 0.3729, 0.3773



## Tritanopia

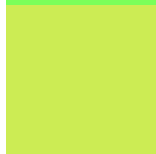
75.5749, 0.2591, 0.3086

# Trichromacy



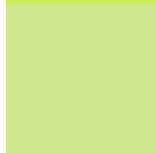
## Original Color

76.3788, 0.3171, 0.5313



## Protanomaly

73.4684, 0.3778, 0.4912



## Deuteranomaly

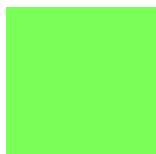
72.9316, 0.3520, 0.4317



## Tritanomaly

74.9374, 0.2826, 0.3891

# Monochromacy



## Original Color

76.3788, 0.3171, 0.5313



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.4950, 0.3175, 0.4064

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3788, 0.3171, 0.5313 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(122, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 89)  
}
```

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(122, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3788, 0.3171, 0.5313 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(122, 255, 89) }
```

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

```
.border{ border-color:rgb(122, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3788, 0.3171, 0.5313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 89) }
```

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

```
.background{ background-color: rgb(122,  
255, 89) }
```

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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