

# Converting Colors

$Yxy(98.1369, 0.3146, 0.5456)$

Have a look what the booklet for  
Yxy(98.1369, 0.3146, 0.5456)  
contains.

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# Color

**Yxy(76.5097, 0.3184, 0.5316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CFF58
RGB	124, 255, 88
RGB Percent	49%, 100%, 35%
CMY	0.5141, 0.0000, 0.6548
CMYK	0.51, 0.00, 0.65, 0.00
HSL	107°, 100%, 67%
HSV	107°, 65%, 100%
XYZ	45.8252, 76.5097, 21.5885
YIQ	196.7930, -24.4690, -79.7090

# Conversions

## Conversions Part 2

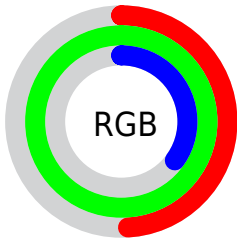
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 255, 219
Decimal	8191832
CIELab	90.10, -65.24, 66.30
CIElCh	90, 93.018, 134.539
Yxy	76.5097, 0.3184, 0.5316
Android (android.graphics.Color)	4286381912 (0xFF7CFF58)
YUV	196.7930, -53.6349, -63.8395
Hunter-Lab	87.4698, -59.5565, 46.5955

# Details

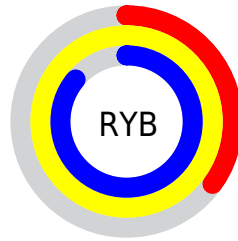
The Yxy color **76.5097, 0.3184, 0.5316** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **29.2791, 0.2859, 0.1648**, and the grayscale version is **56.0294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8479, 0.3304, 0.4557**, and **40.8351, 0.3102, 0.5823** is the 20% darker color. If you saturate the color by 10%, you get **74.8105, 0.3160, 0.5583**, and if you desaturate by 10%, it is **78.6475, 0.3197, 0.5003**.

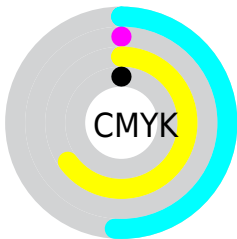
# Distribution



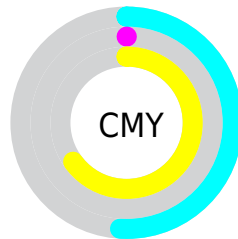
- Red (49%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (86%)



- Cyan (51%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5097, 0.3184, 0.5316 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 76.5097, 0.3184, 0.5316 by changing the saturation by 10% instead.




 76.5097, 0.3184,  
0.5316

 76.5097, 0.3184,  
0.5316


483.0907, 0.3230,  
0.4324

 56.8506, 0.3152,  
0.5545


 128.4471, 0.3217,  
0.4967

 40.8853, 0.3100,  
0.5825

 161.4942, 0.3225,  
0.4832

 28.2294, 0.3015,  
0.6171


 199.7727, 0.3229,  
0.4717

 18.4987, 0.2875,  
0.6600

 243.6671, 0.3231,  
0.4617

 11.3086, 0.2667,  
0.7207

293.5617, 0.3232,  
0.4530

 6.2748, 0.2236,  
0.7764


349.8409, 0.3232,


 3.0129, 0.1476,

0.4453


0.8524


412.8891, 0.3231,  
0.4385


 1.1385, 0.0000,  
1.0000


 0.0106, 0.0000,  
1.0000


 76.5097, 0.3184,  
0.5316


 76.5097, 0.3184,  
0.5316


 74.8105, 0.3160,  
0.5583


 78.6475, 0.3197,  
0.5003


 73.5330, 0.3126,  
0.5784


 81.2722, 0.3199,  
0.4666

 72.6308, 0.3086,  
0.5909

 84.4060, 0.3192,  
0.4327

 72.3271, 0.3068,  
0.5946

 88.0745, 0.3179,  
0.4002

 92.3017, 0.3161,  
0.3700

 97.1099, 0.3139,  
0.3427

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.



76.5097, 0.4155, 0.5116



76.5097, 0.3184, 0.5316



76.5097, 0.2248, 0.4551

# Triad

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



76.5097, 0.3184, 0.5316



76.5097, 0.1487, 0.1850



76.5097, 0.4861, 0.2983

# Complementary

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



76.5097, 0.3184, 0.5316



29.2791, 0.2859, 0.1648

# 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.



76.5097, 0.3853, 0.2369



76.5097, 0.3184, 0.5316



76.5097, 0.1929, 0.1748

# Square

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



76.5097, 0.3184, 0.5316



76.5097, 0.1378, 0.2319



76.5097, 0.2742, 0.1934



76.5097, 0.5252, 0.3681



# Rectangle

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



76.5097, 0.3184, 0.5316



76.5097, 0.1779, 0.3694



76.5097, 0.2742, 0.1934



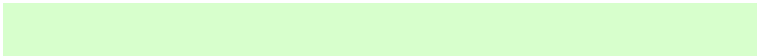
76.5097, 0.4573, 0.2765

# Sweetspot

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



76.5038, 0.3184, 0.5316



90.3212, 0.3169, 0.3833



72.5347, 0.4256, 0.4520



19.0813, 0.3174, 0.3919



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.



76.5038, 0.3184, 0.5316



74.3156, 0.3149, 0.5662



75.3544, 0.2854, 0.4868



20.3563, 0.3148, 0.3533



37.8445, 0.3077, 0.5939



3.7297, 0.3148, 0.5883



# Inverse Universe

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



29.2791, 0.2859, 0.1648



23.7682, 0.2780, 0.1424



32.7817, 0.3697, 0.2161



18.0918, 0.3103, 0.3053



10.2696, 0.2669, 0.1244

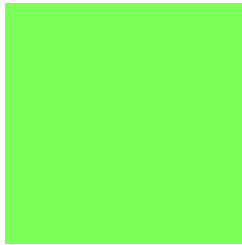


1.0466, 0.2733, 0.1279



# Previews

## White Background



This preview shows how the Yxy color 76.5097, 0.3184, 0.5316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

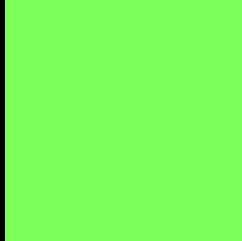
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5097, 0.3184, 0.5316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

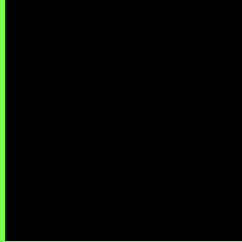
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

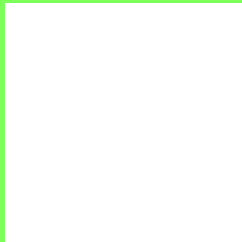
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.5097, 0.3184, 0.5316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5097, 0.3184, 0.5316.



This preview shows how white text looks on a background with the Yxy color 76.5097, 0.3184, 0.5316.

# 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

76.5097, 0.3184, 0.5316

### Protanopia

74.9388, 0.4219, 0.4639

### Deuteranopia

74.9402, 0.3722, 0.3763



## Tritanopia

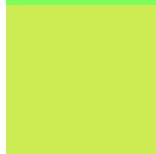
75.6809, 0.2596, 0.3087

# Trichromacy



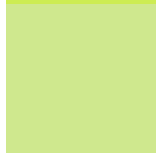
## Original Color

76.5097, 0.3184, 0.5316



## Protanomaly

73.5946, 0.3789, 0.4915



## Deuteranomaly

72.9316, 0.3520, 0.4317



## Tritanomaly

74.9860, 0.2836, 0.3903

# Monochromacy



## Original Color

76.5097, 0.3184, 0.5316



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

61.1232, 0.3182, 0.4074

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5097, 0.3184, 0.5316 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(124, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 88)  
}
```

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(124, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5097, 0.3184, 0.5316 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(124, 255, 88) }
```

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

```
.border{ border-color:rgb(124, 255, 88) }
```

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

Here you see how a box with a 4 pixel rgb(124, 255, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5097, 0.3184, 0.5316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 88) }
```

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

```
.background{ background-color: rgb(124,  
255, 88) }
```

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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