

# Converting Colors

$Y_{xy}(75.0980, 0.3124, 0.5449)$

Have a look what the booklet for  
Yxy(75.0980, 0.3124, 0.5449)  
contains.

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# Color

**Yxy(75.1487, 0.3127, 0.5450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFF4F
RGB	106, 255, 79
RGB Percent	42%, 100%, 31%
CMY	0.5842, 0.0000, 0.6903
CMYK	0.58, 0.00, 0.69, 0.00
HSL	111°, 100%, 65%
HSV	111°, 69%, 100%
XYZ	43.1174, 75.1487, 19.6214
YIQ	190.3850, -32.3080, -86.3240

# Conversions

## Conversions Part 2

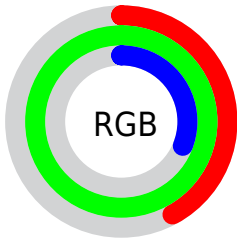
Format	Color
<a href="#">RYB</a>	<a href="#">79, 255, 228</a>
Decimal	<a href="#">7012175</a>
CIELab	<a href="#">89.46, -70.39, 68.86</a>
CIELCh	<a href="#">89, 98.477, 135.629</a>
Yxy	<a href="#">75.1487, 0.3127, 0.5450</a>
Android (android.graphics.Color)	<a href="#">4285202255 (0xFF6AFF4F)</a>
YUV	<a href="#">190.3850, -54.9128, -74.0056</a>
Hunter-Lab	<a href="#">86.6883, -62.9215, 47.2619</a>

# Details

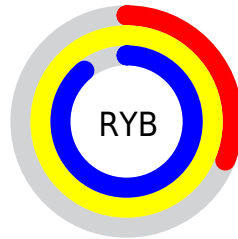
The Yxy color **75.1487, 0.3127, 0.5450** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **29.2877, 0.2941, 0.1631**, and the grayscale version is **52.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8436, 0.3250, 0.4684**, and **40.0259, 0.3014, 0.5989** is the 20% darker color. If you saturate the color by 10%, you get **73.6876, 0.3101, 0.5698**, and if you desaturate by 10%, it is **77.0885, 0.3145, 0.5145**.

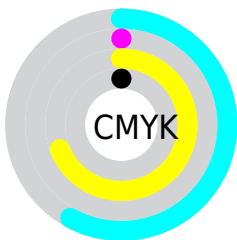
# Distribution



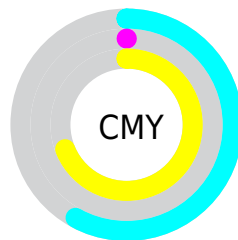
- Red (42%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (89%)



- Cyan (58%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1487, 0.3127, 0.5450 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 75.1487, 0.3127, 0.5450 by changing the saturation by 10% instead.




 75.1487, 0.3127,  
0.5450


 75.1487, 0.3127,  
0.5450


478.4285, 0.3209,  
0.4386


 55.7347, 0.3084,  
0.5696

 126.5228, 0.3175,  
0.5075

 39.9903, 0.3017,  
0.5997


 159.2518, 0.3187,  
0.4930

 27.5310, 0.2911,  
0.6366


 197.1878, 0.3196,  
0.4806

 17.9724, 0.2740,  
0.6820

 240.7154, 0.3201,  
0.4699

 10.9302, 0.2503,  
0.7497

290.2188, 0.3205,  
0.4606

 6.0199, 0.2000,  
0.8000


346.0826, 0.3207,


 2.8572, 0.1034,

0.4523

0.8966

408.6910, 0.3208,  
0.4451

 1.0576, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000

 75.1487, 0.3127,  
0.5450


 75.1487, 0.3127,  
0.5450

 73.6876, 0.3101,  
0.5698


 77.0885, 0.3145,  
0.5145


 72.6567, 0.3071,  
0.5870

 79.5387, 0.3156,  
0.4807

 72.0032, 0.3040,  
0.5964

 82.5346, 0.3159,  
0.4460

 71.9557, 0.3037,  
0.5970

 86.1070, 0.3156,  
0.4122

 90.2841, 0.3149,  
0.3807

 95.0925, 0.3138,  
0.3521

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.



75.1487, 0.4149, 0.5228



75.1487, 0.3127, 0.5450



75.1487, 0.2156, 0.4598

# Triad

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



75.1487, 0.3127, 0.5450



75.1487, 0.1422, 0.1766



75.1487, 0.5000, 0.2979

# Complementary

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



75.1487, 0.3127, 0.5450



29.2877, 0.2941, 0.1631

# 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.



75.1487, 0.3939, 0.2340



75.1487, 0.3127, 0.5450



75.1487, 0.1890, 0.1677

# Square

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



75.1487, 0.3127, 0.5450



75.1487, 0.1294, 0.2229



75.1487, 0.2753, 0.1881



75.1487, 0.5371, 0.3701



# Rectangle

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



75.1487, 0.3127, 0.5450



75.1487, 0.1680, 0.3662



75.1487, 0.2753, 0.1881



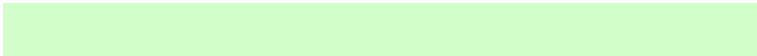
75.1487, 0.4701, 0.2754

# Sweetspot

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



75.1506, 0.3127, 0.5450



89.4140, 0.3151, 0.3867



76.0321, 0.4249, 0.4631



18.8854, 0.3153, 0.3953



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.



75.1506, 0.3127, 0.5450



73.2297, 0.3090, 0.5775



75.0053, 0.2816, 0.4850



20.3022, 0.3139, 0.3534



37.6381, 0.3044, 0.5965



3.7019, 0.3104, 0.5917



# Inverse Universe

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



29.2877, 0.2941, 0.1631



24.5731, 0.2885, 0.1441



30.8467, 0.3848, 0.2197



18.1505, 0.3113, 0.3054



11.4364, 0.2822, 0.1328

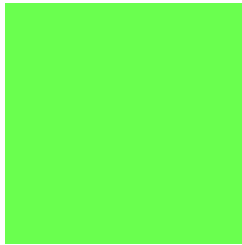


1.1500, 0.2869, 0.1354



# Previews

## White Background



This preview shows how the Yxy color 75.1487, 0.3127, 0.5450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

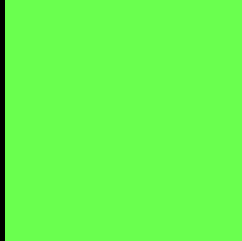
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.1487, 0.3127, 0.5450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

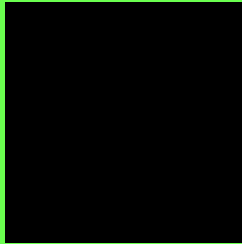
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

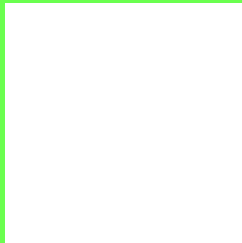
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.1487, 0.3127, 0.5450**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1487, 0.3127, 0.5450.

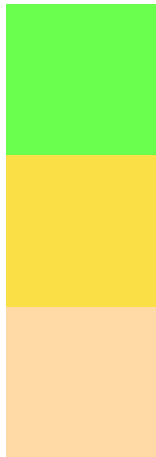


This preview shows how white text looks on a background with the Yxy color 75.1487, 0.3127, 0.5450.

# 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

75.1487, 0.3127, 0.5450

### Protanopia

73.5543, 0.4261, 0.4681

### Deuteranopia

73.6389, 0.3779, 0.3815



## Tritanopia

74.4638, 0.2538, 0.3083

# Trichromacy



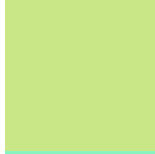
## Original Color

75.1487, 0.3127, 0.5450



## Protanomaly

71.9168, 0.3775, 0.5006



## Deuteranomaly

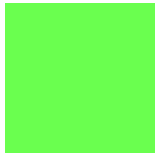
71.2906, 0.3526, 0.4412



## Tritanomaly

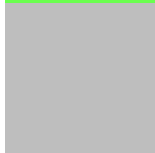
73.6139, 0.2780, 0.3955

# Monochromacy



## Original Color

75.1487, 0.3127, 0.5450



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

57.6661, 0.3150, 0.4143

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1487, 0.3127, 0.5450 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(106, 255, 79)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 79)  
}
```

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(106, 255, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1487, 0.3127, 0.5450 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(106, 255, 79) }
```

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

```
.border{ border-color:rgb(106, 255, 79) }
```

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

Here you see how a box with a 4 pixel rgb(106, 255, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1487, 0.3127, 0.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 79) }
```

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

```
.background{ background-color: rgb(106,  
255, 79) }
```

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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