

# Converting Colors

$Yxy(74.6197, 0.3107, 0.5383)$

Have a look what the booklet for  
Yxy(74.6197, 0.3107, 0.5383)  
contains.

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**Color**

**Yxy(74.6197, 0.3107, 0.5383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFE56
RGB	106, 254, 86
RGB Percent	42%, 100%, 34%
CMY	0.5841, 0.0039, 0.6628
CMYK	0.58, 0.00, 0.66, 0.00
HSL	113°, 99%, 67%
HSV	113°, 66%, 100%
XYZ	43.0696, 74.6197, 20.9318
YIQ	190.5960, -34.2800, -83.6240

# Conversions

## Conversions Part 2

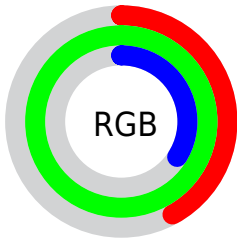
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 254, 234
Decimal	7011926
CIELab	89.21, -69.47, 65.98
CIELCh	89, 95.805, 136.476
Yxy	74.6197, 0.3107, 0.5383
Android (android.graphics.Color)	4285202006 (0xFF6AFE56)
YUV	190.5960, -51.5658, -74.1907
Hunter-Lab	86.3827, -62.1714, 46.1011

# Details

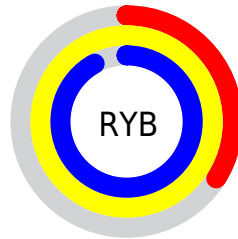
The Yxy color **74.6197, 0.3107, 0.5383** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **31.2876, 0.3007, 0.1707**, and the grayscale version is **52.1818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0190, 0.3221, 0.4617**, and **39.6460, 0.3001, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **73.0867, 0.3085, 0.5650**, and if you desaturate by 10%, it is **76.6617, 0.3124, 0.5063**.

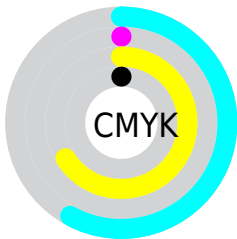
# Distribution



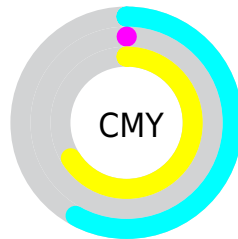
- Red (42%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (92%)



- Cyan (58%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6197, 0.3107, 0.5383 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 74.6197, 0.3107, 0.5383 by changing the saturation by 10% instead.




 74.6197, 0.3107,  
0.5383

 74.6197, 0.3107,  
0.5383


476.6094, 0.3191,  
0.4348


 55.3014, 0.3065,  
0.5625


 125.7739, 0.3154,  
0.5017


 39.6431, 0.3001,  
0.5921

 158.3785, 0.3167,  
0.4876

 27.2604, 0.2899,  
0.6289


 196.1808, 0.3176,  
0.4756

 17.7689, 0.2736,  
0.6746

 239.5650, 0.3182,  
0.4652

 10.7842, 0.2503,  
0.7418

288.9156, 0.3186,  
0.4561

 5.9219, 0.2021,  
0.7979


344.6169, 0.3189,

 2.7976, 0.1044,


0.4481


0.8956

407.0534, 0.3190,  
0.4411


 1.0270, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.6197, 0.3107,  
0.5383


 74.6197, 0.3107,  
0.5383


 73.0867, 0.3085,  
0.5650


 76.6617, 0.3124,  
0.5063


 72.0085, 0.3059,  
0.5844

 79.2424, 0.3135,  
0.4717

 71.3356, 0.3033,  
0.5954

 82.4002, 0.3140,  
0.4367

 71.1649, 0.3024,  
0.5981

 86.1674, 0.3140,  
0.4032

 90.5739, 0.3137,  
0.3723

 95.6475, 0.3132,  
0.3445

99.3636, 0.3128,  
0.3281

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6197, 0.4112, 0.5207



74.6197, 0.3107, 0.5383



74.6197, 0.2158, 0.4525

# Triad

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



74.6197, 0.3107, 0.5383



74.6197, 0.1460, 0.1789



74.6197, 0.4976, 0.3010

# Complementary

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



74.6197, 0.3107, 0.5383



31.2876, 0.3007, 0.1707

# 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.



74.6197, 0.3955, 0.2376



74.6197, 0.3107, 0.5383



74.6197, 0.1933, 0.1708

# Square

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



74.6197, 0.3107, 0.5383



74.6197, 0.1326, 0.2236



74.6197, 0.2793, 0.1916



74.6197, 0.5322, 0.3725



# Rectangle

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



74.6197, 0.3107, 0.5383



74.6197, 0.1696, 0.3618



74.6197, 0.2793, 0.1916



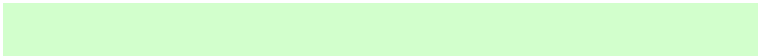
74.6197, 0.4690, 0.2786

# Sweetspot

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



74.6228, 0.3107, 0.5383



89.5951, 0.3139, 0.3838



79.2292, 0.4173, 0.4637



18.9106, 0.3140, 0.3926



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.



74.6228, 0.3107, 0.5383



73.3859, 0.3078, 0.5714



74.9862, 0.2795, 0.4700



20.2721, 0.3134, 0.3534



37.5512, 0.3030, 0.5977



3.6878, 0.3082, 0.5935



# Inverse Universe

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



31.2876, 0.3007, 0.1707



26.7937, 0.2969, 0.1522



31.5464, 0.3877, 0.2275



18.1837, 0.3119, 0.3054



12.1411, 0.2909, 0.1376

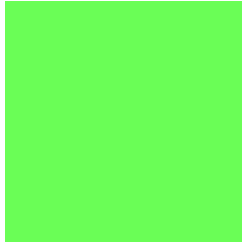


1.2119, 0.2945, 0.1396



# Previews

## White Background



This preview shows how the Yxy color 74.6197, 0.3107, 0.5383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

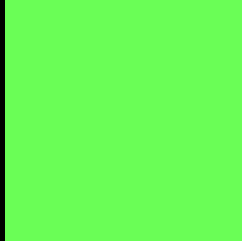
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6197, 0.3107, 0.5383 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

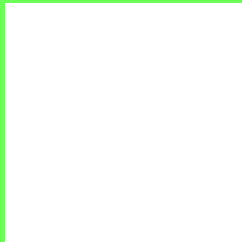
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6197, 0.3107, 0.5383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6197, 0.3107, 0.5383.

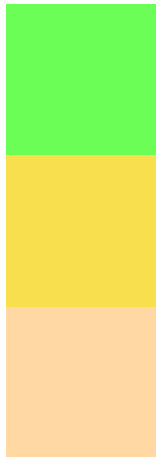


This preview shows how white text looks on a background with the Yxy color 74.6197, 0.3107, 0.5383.

# 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

74.6197, 0.3107, 0.5383

### Protanopia

73.2676, 0.4222, 0.4656

### Deuteranopia

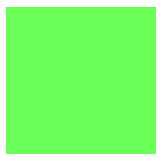
73.0521, 0.3797, 0.3826



## Tritanopia

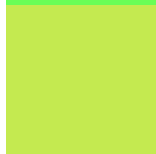
74.1779, 0.2524, 0.3083

# Trichromacy



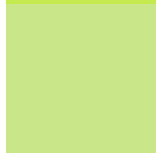
## Original Color

74.6197, 0.3107, 0.5383



## Protanomaly

71.1606, 0.3743, 0.4966



## Deuteranomaly

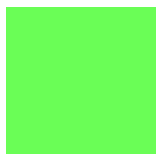
70.7887, 0.3517, 0.4381



## Tritanomaly

72.9828, 0.2754, 0.3906

# Monochromacy



## Original Color

74.6197, 0.3107, 0.5383



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

57.8666, 0.3138, 0.4100

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6197, 0.3107, 0.5383 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, 254, 86)` looks like.

```
.text, #text, p{  
    color:rgb(106, 254, 86)  
}
```

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, 254, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 254, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6197, 0.3107, 0.5383 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, 254, 86) }
```

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

```
.border{ border-color:rgb(106, 254, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 254, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 254, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 254, 86);  
box-shadow:4px 4px 4px 4px rgb(106, 254,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6197, 0.3107, 0.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 254, 86) }
```

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

```
.background{ background-color: rgb(106,  
254, 86) }
```

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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