

# Converting Colors

$Y_{xy}(70.7328, 0.3206, 0.5836)$

Have a look what the booklet for  
Yxy(70.7328, 0.3206, 0.5836)  
contains.

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**Color**

**Yxy(70.8041, 0.3207, 0.5836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FFA00
RGB	95, 250, 0
RGB Percent	37%, 98%, 0%
CMY	0.6272, 0.0196, 1.0000
CMYK	0.62, 0.00, 1.00, 0.02
HSL	97°, 100%, 49%
HSV	97°, 100%, 98%
XYZ	38.9083, 70.8041, 11.6106
YIQ	175.1550, -12.1300, -110.6100

# Conversions

## Conversions Part 2

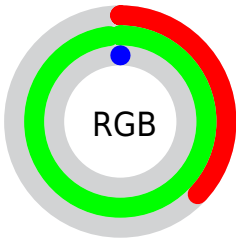
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 250, 155
Decimal	6289920
CIELab	87.39, -74.39, 83.42
CIElCh	87, 111.770, 131.726
Yxy	70.8041, 0.3207, 0.5836
Android (android.graphics.Color)	4284480000 (0xFF5FFA00)
YUV	175.1550, -86.3514, -70.2959
Hunter-Lab	84.1452, -64.7166, 50.7206

# Details

The Yxy color **70.8041, 0.3207, 0.5836** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **13.8655, 0.2260, 0.1019**, and the grayscale version is **43.4244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9741, 0.3385, 0.5148**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.8074, 0.3207, 0.5836**, and if you desaturate by 10%, it is **71.7921, 0.3262, 0.5731**.

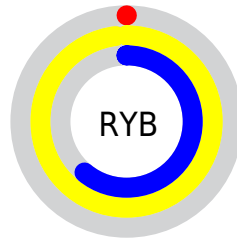
# Distribution



Red (37%)

Green (98%)

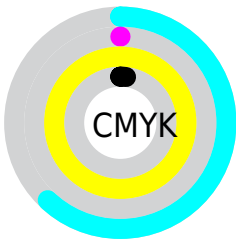
Blue (0%)



Red (0%)

Yellow (98%)

Blue (61%)

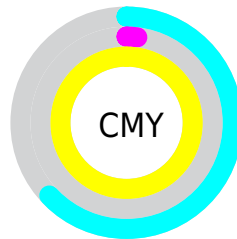


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (63%)

Magenta (2%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8041, 0.3207, 0.5836 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 70.8041, 0.3207, 0.5836 by changing the saturation by 10% instead.




 70.8041, 0.3207,  
0.5836


 70.8041, 0.3207,  
0.5836


463.3683, 0.3298,  
0.4593

 52.1823, 0.3146,  
0.6110


 120.3547, 0.3270,  
0.5407


 37.1504, 0.3049,  
0.6433


 152.0524, 0.3286,  
0.5238

 25.3240, 0.2896,  
0.6810


 188.8775, 0.3294,  
0.5093

 16.3186, 0.2681,  
0.7319

 231.2145, 0.3299,  
0.4966

 9.7499, 0.2275,  
0.7725

 279.4476, 0.3301,  
0.4855

 5.2334, 0.1719,  
0.8281


 333.9614, 0.3301,


 2.3849, 0.0057,


0.4757


0.9943


395.1402, 0.3300,  
0.4671


 0.8181, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 70.8041, 0.3207,  
0.5836


 70.8041, 0.3207,  
0.5836

 70.8074, 0.3207,  
0.5836

 71.7921, 0.3262,  
0.5731


 73.0408, 0.3305,  
0.5565

 74.5896, 0.3330,  
0.5338


 76.4631, 0.3337,  
0.5063

 78.6827, 0.3326,  
0.4757

 81.2678, 0.3301,  
0.4439

 84.2360, 0.3266,  
0.4125

 87.6036, 0.3223,  
0.3824

 91.3861, 0.3176,  
0.3545

# Harmonies

## Analogous

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



70.8041, 0.4333, 0.5333



70.8041, 0.3207, 0.5836



70.8041, 0.2117, 0.5038

# Triad

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



70.8041, 0.3207, 0.5836



70.8041, 0.1206, 0.1622



70.8041, 0.5159, 0.2809

# Complementary

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



70.8041, 0.3207, 0.5836



13.8655, 0.2260, 0.1019

# 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.



70.8041, 0.3863, 0.2141



70.8041, 0.3207, 0.5836



70.8041, 0.1652, 0.1497

# Square

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



70.8041, 0.3207, 0.5836



70.8041, 0.1107, 0.2169



70.8041, 0.2536, 0.1679



70.8041, 0.5668, 0.3564



# Rectangle

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



70.8041, 0.3207, 0.5836



70.8041, 0.1567, 0.3919



70.8041, 0.2536, 0.1679



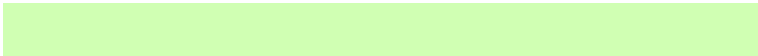
70.8041, 0.4783, 0.2572

# Sweetspot

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



70.8074, 0.3207, 0.5836



88.1045, 0.3266, 0.4126



43.4905, 0.5090, 0.4340



18.5669, 0.3282, 0.4257



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.



70.8074, 0.3207, 0.5836



74.0589, 0.3206, 0.5836



68.4612, 0.2981, 0.5930



19.6308, 0.3173, 0.3531



37.6342, 0.3218, 0.5827



3.5442, 0.3310, 0.5754



# Inverse Universe

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



13.8655, 0.2260, 0.1019



14.4937, 0.2259, 0.1018



25.5357, 0.3534, 0.1720



17.1757, 0.3077, 0.3052



7.4398, 0.2275, 0.1027

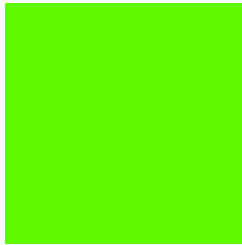


0.7498, 0.2385, 0.1087



# Previews

## White Background



This preview shows how the Yxy color 70.8041, 0.3207, 0.5836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

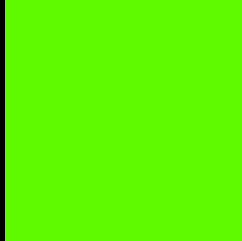
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.8041, 0.3207, 0.5836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

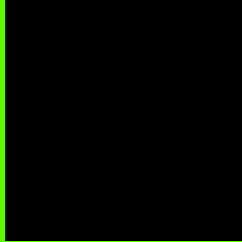
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

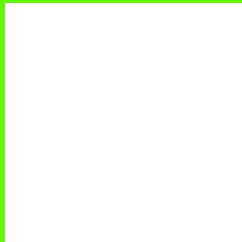
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.8041, 0.3207, 0.5836**

## Background



This preview shows how black text looks on a background with the Yxy color 70.8041, 0.3207, 0.5836.



This preview shows how white text looks on a background with the Yxy color 70.8041, 0.3207, 0.5836.

# 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

70.8041, 0.3207, 0.5836

### Protanopia

69.5553, 0.4405, 0.4884

### Deuteranopia

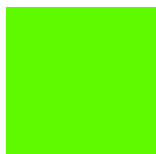
69.2466, 0.3994, 0.4007



## Tritanopia

69.9966, 0.2478, 0.3065

# Trichromacy



## Original Color

70.8041, 0.3207, 0.5836



## Protanomaly

67.5408, 0.3885, 0.5297



## Deuteranomaly

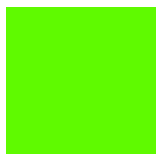
66.4420, 0.3757, 0.4824



## Tritanomaly

68.4086, 0.2868, 0.4337

# Monochromacy



## Original Color

70.8041, 0.3207, 0.5836



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

49.4997, 0.3317, 0.4581

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.8041, 0.3207, 0.5836 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(95, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 250, 0)  
}
```

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(95, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 250, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 70.8041, 0.3207, 0.5836 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(95, 250, 0) }
```

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

```
.border{ border-color:rgb(95, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(95, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 250, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 70.8041, 0.3207, 0.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 250, 0) }
```

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

```
.background{ background-color: rgb(95, 250,  
0) }
```

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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