

# Converting Colors

$Y_{xy}(70.6255, 0.3606, 0.5484)$

Have a look what the booklet for  
Yxy(70.6255, 0.3606, 0.5484)  
contains.

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**Color**

**Yxy(70.6324, 0.3607, 0.5484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F111
RGB	162, 241, 17
RGB Percent	64%, 95%, 7%
CMY	0.3647, 0.0549, 0.9340
CMYK	0.33, 0.00, 0.93, 0.05
HSL	81°, 89%, 51%
HSV	81°, 93%, 95%
XYZ	46.4572, 70.6324, 11.7077
YIQ	191.8430, 24.8200, -86.4120

# Conversions

## Conversions Part 2

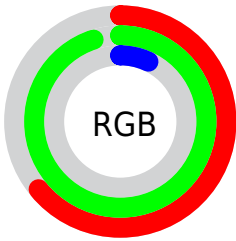
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 241, 96
Decimal	10678545
CIELab	87.31, -51.43, 83.01
CIELCh	87, 97.648, 121.779
Yxy	70.6324, 0.3607, 0.5484
Android (android.graphics.Color)	4288868625 (0xFFA2F111)
YUV	191.8430, -86.1976, -26.1723
Hunter-Lab	84.0431, -48.4045, 50.5707

# Details

The Yxy color **70.6324, 0.3607, 0.5484** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **9.2250, 0.1832, 0.0809**, and the grayscale version is **53.1103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8758, 0.3774, 0.4881**, and **37.1058, 0.3443, 0.5648** is the 20% darker color. If you saturate the color by 10%, you get **69.9885, 0.3577, 0.5542**, and if you desaturate by 10%, it is **71.6750, 0.3634, 0.5365**.

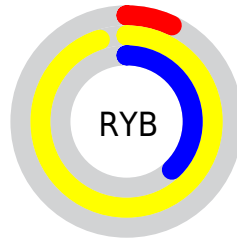
# Distribution



Red (64%)

Green (95%)

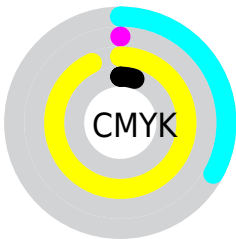
Blue (7%)



Red (7%)

Yellow (95%)

Blue (38%)

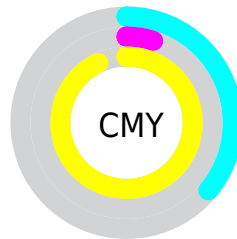


Cyan (33%)

Magenta (0%)

Yellow (93%)

Black (5%)



Cyan (36%)

Magenta (5%)


Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6324, 0.3607, 0.5484 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 70.6324, 0.3607, 0.5484 by changing the saturation by 10% instead.





 70.6324, 0.3607,  
0.5484


 70.6324, 0.3607,  
0.5484


462.7674, 0.3495,  
0.4452

 52.0423, 0.3595,  
0.5701


 120.1102, 0.3597,  
0.5136

 37.0388, 0.3559,  
0.5954


 151.7666, 0.3585,  
0.4997


 25.2375, 0.3482,  
0.6243


 188.5472, 0.3570,  
0.4875

 16.2541, 0.3369,  
0.6631

 230.8364, 0.3555,  
0.4769

 9.7041, 0.3077,  
0.6923

 279.0187, 0.3539,  
0.4675

 5.2032, 0.2655,  
0.7345

 333.4783, 0.3524,

 2.3670, 0.1929,

0.4592

0.8071

394.5997, 0.3509,  
0.4518

■ 0.8088, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.6324, 0.3607,  
0.5484

■ 70.6324, 0.3607,  
0.5484


■ 69.9885, 0.3577,  
0.5542


■ 71.6750, 0.3634,  
0.5365


■ 72.8784, 0.3636,  
0.5196

■ 74.2633, 0.3613,  
0.4980

■ 75.8441, 0.3567,  
0.4729

 77.6336, 0.3503,  
0.4456

 79.6432, 0.3425,  
0.4173

 81.8834, 0.3338,  
0.3891

 84.3638, 0.3246,  
0.3620

 87.0934, 0.3155,  
0.3364

# Harmonies

## Analogous

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



70.6324, 0.4583, 0.4922



70.6324, 0.3607, 0.5484



70.6324, 0.2571, 0.5150

# Triad

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



70.6324, 0.3607, 0.5484



70.6324, 0.1307, 0.1910



70.6324, 0.4585, 0.2662

# Complementary

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



70.6324, 0.3607, 0.5484



9.2250, 0.1832, 0.0809

# 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.



70.6324, 0.3372, 0.2088



70.6324, 0.3607, 0.5484



70.6324, 0.1614, 0.1664

# Square

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



70.6324, 0.3607, 0.5484



70.6324, 0.1332, 0.2603



70.6324, 0.2294, 0.1739



70.6324, 0.5328, 0.3357



# Rectangle

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



70.6324, 0.3607, 0.5484



70.6324, 0.1976, 0.4332



70.6324, 0.2294, 0.1739



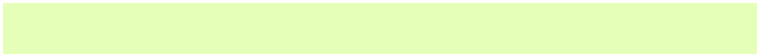
70.6324, 0.4201, 0.2452

# Sweetspot

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



70.6355, 0.3607, 0.5484



91.7603, 0.3383, 0.4034



26.9797, 0.5698, 0.3796



19.4101, 0.3420, 0.4156



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.



70.6355, 0.3607, 0.5484



79.5342, 0.3576, 0.5543



63.6431, 0.3057, 0.5914



18.1642, 0.3214, 0.3527



38.0299, 0.3587, 0.5534



3.2191, 0.3667, 0.5470



# Inverse Universe

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



9.2250, 0.1832, 0.0809



9.3867, 0.1754, 0.0740



20.0673, 0.2854, 0.1366



15.4996, 0.3035, 0.3050



4.5575, 0.1772, 0.0750

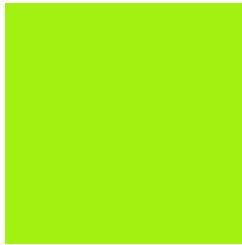


0.4328, 0.1917, 0.0829



# Previews

## White Background



This preview shows how the Yxy color 70.6324, 0.3607, 0.5484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

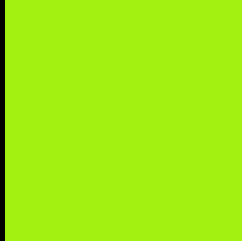
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6324, 0.3607, 0.5484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

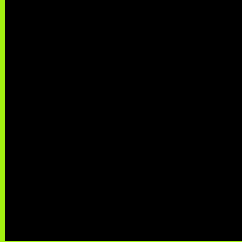
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.6324, 0.3607, 0.5484**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6324, 0.3607, 0.5484.



This preview shows how white text looks on a background with the Yxy color 70.6324, 0.3607, 0.5484.

# 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

70.6324, 0.3607, 0.5484

### Protanopia

69.7356, 0.4413, 0.4878

### Deuteranopia

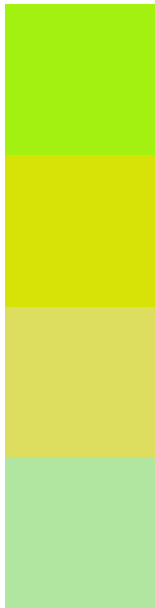
69.8015, 0.3975, 0.3997



## Tritanopia

70.1612, 0.2768, 0.3086

# Trichromacy



## Original Color

70.6324, 0.3607, 0.5484

## Protanomaly

68.8529, 0.4103, 0.5113

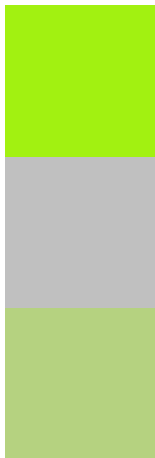
## Deuteranomaly

68.4592, 0.3930, 0.4634

## Tritanomaly

68.4788, 0.3199, 0.4152

# Monochromacy



## Original Color

70.6324, 0.3607, 0.5484

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

57.4755, 0.3470, 0.4336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6324, 0.3607, 0.5484 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(162, 241, 17)` looks like.

```
.text, #text, p{  
    color:rgb(162, 241, 17)  
}
```

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(162, 241, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 241, 17) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6324, 0.3607, 0.5484 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(162, 241, 17) }
```

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

```
.border{ border-color:rgb(162, 241, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 241, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 241, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 241, 17);  
box-shadow:4px 4px 4px 4px rgb(162, 241,  
17) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6324, 0.3607, 0.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 241, 17) }
```

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

```
.background{ background-color: rgb(162,  
241, 17) }
```

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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