

# Converting Colors

$Y_{xy}(75.2181, 0.3628, 0.5439)$

Have a look what the booklet for  
Yxy(75.2181, 0.3628, 0.5439)  
contains.

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**Color**

**Yxy(75.2586, 0.3630, 0.5437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABF71B
RGB	171, 247, 27
RGB Percent	67%, 97%, 11%
CMY	0.3296, 0.0313, 0.8941
CMYK	0.31, 0.00, 0.89, 0.03
HSL	81°, 93%, 54%
HSV	81°, 89%, 97%
XYZ	50.2462, 75.2586, 12.9145
YIQ	199.1960, 25.3240, -84.5320

# Conversions

## Conversions Part 2

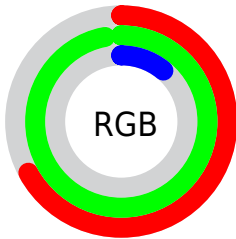
Format	Color
R <sub>Y</sub> B	27, 247, 103
Decimal	11269915
CIE Lab	89.51, -50.51, 83.65
CIE LCh	90, 97.722, 121.125
Yxy	75.2586, 0.3630, 0.5437
Android (android.graphics.Color)	4289459995 (0xFFABF71B)
YUV	199.1960, -84.8926, -24.7279
Hunter-Lab	86.7517, -48.4291, 51.8998

# Details

The Yxy color **75.2586, 0.3630, 0.5437** 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 **10.3880, 0.1868, 0.0852**, and the grayscale version is **57.7554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4290, 0.3818, 0.4808**, and **40.2064, 0.3486, 0.5614** is the 20% darker color. If you saturate the color by 10%, you get **74.2599, 0.3592, 0.5526**, and if you desaturate by 10%, it is **76.4179, 0.3647, 0.5300**.

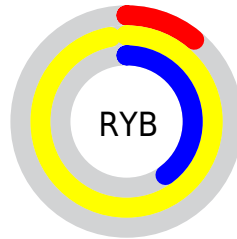
# Distribution



Red (67%)

Green (97%)

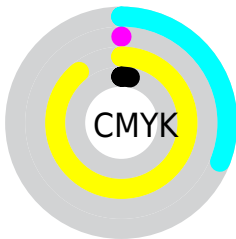
Blue (11%)



Red (11%)

Yellow (97%)

Blue (40%)

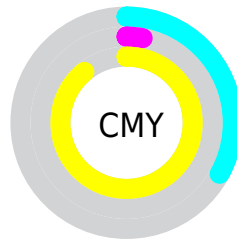


Cyan (31%)

Magenta (0%)

Yellow (89%)

Black (3%)



Cyan (33%)

Magenta (3%)


Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2586, 0.3630, 0.5437 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 75.2586, 0.3630, 0.5437 by changing the saturation by 10% instead.




 75.2586, 0.3630,  
0.5437


 75.2586, 0.3630,  
0.5437

478.8059, 0.3506,  
0.4440


 55.8248, 0.3623,  
0.5645


 126.6784, 0.3615,  
0.5103


 40.0624, 0.3595,  
0.5886


 159.4331, 0.3600,  
0.4969


 27.5872, 0.3531,  
0.6162


 197.3969, 0.3584,  
0.4851

 18.0147, 0.3433,  
0.6524

 240.9541, 0.3568,  
0.4748

 10.9606, 0.3182,  
0.6818

 290.4893, 0.3552,  
0.4657

 6.0403, 0.2801,  
0.7199

 346.3867, 0.3536,

 2.8696, 0.2223,

0.4577

0.7777

409.0308, 0.3520,  
0.4505

■ 1.0640, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 75.2586, 0.3630,  
0.5437

■ 75.2586, 0.3630,  
0.5437

■ 74.2599, 0.3592,  
0.5526

■ 76.4179, 0.3647,  
0.5300


■ 74.1713, 0.3588,  
0.5533


■ 77.7531, 0.3638,  
0.5112


■ 79.2845, 0.3605,  
0.4883


■ 81.0267, 0.3550,  
0.4622

 82.9924, 0.3478,  
0.4345

 85.1935, 0.3395,  
0.4061

 87.6404, 0.3304,  
0.3783

 90.3433, 0.3211,  
0.3517

 93.3113, 0.3119,  
0.3268

# Harmonies

## Analogous

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



75.2586, 0.4586, 0.4886



75.2586, 0.3630, 0.5437



75.2586, 0.2607, 0.5126

# Triad

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



75.2586, 0.3630, 0.5437



75.2586, 0.1330, 0.1943



75.2586, 0.4533, 0.2660

# Complementary

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



75.2586, 0.3630, 0.5437



10.3880, 0.1868, 0.0852

# 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.



75.2586, 0.3343, 0.2097



75.2586, 0.3630, 0.5437



75.2586, 0.1627, 0.1690

# Square

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



75.2586, 0.3630, 0.5437



75.2586, 0.1364, 0.2640



75.2586, 0.2291, 0.1757



75.2586, 0.5279, 0.3347



# Rectangle

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



75.2586, 0.3630, 0.5437



75.2586, 0.2016, 0.4339



75.2586, 0.2291, 0.1757



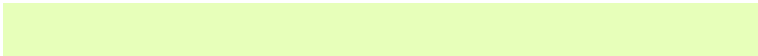
75.2586, 0.4155, 0.2453

# Sweetspot

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



75.2619, 0.3630, 0.5437



92.0935, 0.3377, 0.4005



29.0362, 0.5637, 0.3793



19.5284, 0.3407, 0.4101



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.



75.2619, 0.3630, 0.5437



79.7186, 0.3587, 0.5534



67.6880, 0.3079, 0.5862



19.0101, 0.3215, 0.3528



39.3038, 0.3597, 0.5526



3.5113, 0.3673, 0.5466



# Inverse Universe

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



10.3880, 0.1868, 0.0852



9.3023, 0.1744, 0.0735



21.2530, 0.2831, 0.1372



16.2052, 0.3033, 0.3049



4.6534, 0.1762, 0.0744

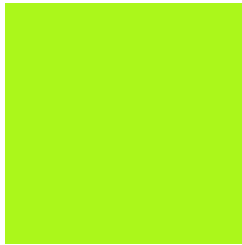


0.4638, 0.1898, 0.0819



# Previews

## White Background



This preview shows how the Yxy color 75.2586, 0.3630, 0.5437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

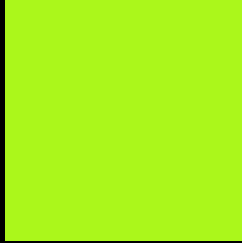
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2586, 0.3630, 0.5437 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 75.2586, 0.3630, 0.5437**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2586, 0.3630, 0.5437.



This preview shows how white text looks on a background with the Yxy color 75.2586, 0.3630, 0.5437.

# 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

75.2586, 0.3630, 0.5437

### Protanopia

74.2376, 0.4401, 0.4856

### Deuteranopia

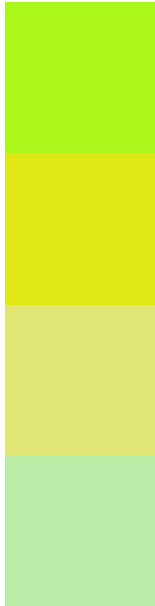
74.1560, 0.3775, 0.3825



## Tritanopia

74.9730, 0.2794, 0.3093

# Trichromacy



## Original Color

75.2586, 0.3630, 0.5437

## Protanomaly

73.4553, 0.4109, 0.5079

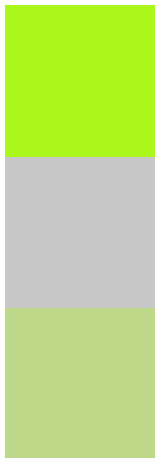
## Deuteranomaly

73.1237, 0.3817, 0.4512

## Tritanomaly

73.2572, 0.3207, 0.4099

# Monochromacy



## Original Color

75.2586, 0.3630, 0.5437

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

61.7081, 0.3465, 0.4277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2586, 0.3630, 0.5437 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(171, 247, 27)` looks like.

```
.text, #text, p{  
    color:rgb(171, 247, 27)  
}
```

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(171, 247, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 247, 27) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2586, 0.3630, 0.5437 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(171, 247, 27) }
```

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

```
.border{ border-color:rgb(171, 247, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 247, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 247, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 247, 27);  
box-shadow:4px 4px 4px 4px rgb(171, 247,  
27) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2586, 0.3630, 0.5437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 247, 27) }
```

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

```
.background{ background-color: rgb(171,  
247, 27) }
```

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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