

# Converting Colors

Yxy(73.6381, 0.3123, 0.5753)

Have a look what the booklet for  
Yxy(73.6381, 0.3123, 0.5753)  
contains.

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**Color**

**Yxy(73.6257, 0.3121, 0.5754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55FF2B
RGB	85, 255, 43
RGB Percent	33%, 100%, 17%
CMY	0.6671, 0.0000, 0.8312
CMYK	0.67, 0.00, 0.83, 0.00
HSL	108°, 100%, 58%
HSV	108°, 83%, 100%
XYZ	39.9350, 73.6257, 14.3950
YIQ	180.0020, -33.2680, -101.9720

# Conversions

## Conversions Part 2

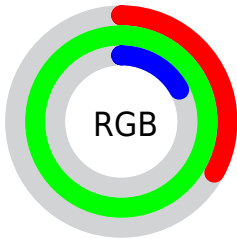
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 255, 213
Decimal	5635883
CIELab	88.75, -77.00, 78.71
CIELCh	89, 110.108, 134.370
Yxy	73.6257, 0.3121, 0.5754
Android (android.graphics.Color)	4283825963 (0xFF55FF2B)
YUV	180.0020, -67.5420, -83.3168
Hunter-Lab	85.8054, -67.0832, 50.1171

# Details

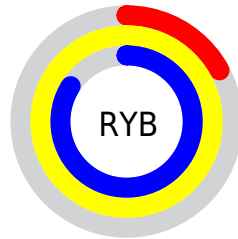
The Yxy color **73.6257, 0.3121, 0.5754** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **23.1212, 0.2793, 0.1392**, and the grayscale version is **46.0088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5927, 0.3279, 0.5015**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.6662, 0.3084, 0.5896**, and if you desaturate by 10%, it is **74.9685, 0.3152, 0.5535**.

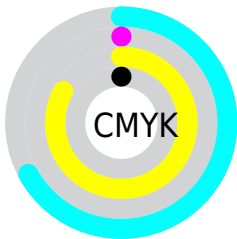
# Distribution



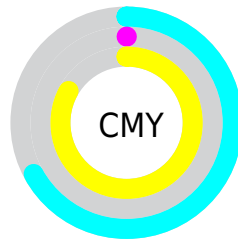
- Red (33%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (84%)



- Cyan (67%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6257, 0.3121, 0.5754 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 73.6257, 0.3121, 0.5754 by changing the saturation by 10% instead.





 73.6257, 0.3121,  
0.5754

 73.6257, 0.3121,  
0.5754


473.1805, 0.3236,  
0.4544


 54.4877, 0.3061,  
0.6026


 124.3651, 0.3188,  
0.5332


 38.9917, 0.2968,  
0.6353


 156.7353, 0.3206,  
0.5168

 26.7533, 0.2824,  
0.6743


 194.2850, 0.3218,  
0.5026

 17.3880, 0.2611,  
0.7234

 237.3987, 0.3226,  
0.4904

 10.5115, 0.2252,  
0.7748

 286.4607, 0.3231,  
0.4796

 5.7394, 0.1709,  
0.8291


341.8554, 0.3234,


 2.6873, 0.0334,


0.4702

0.9666

403.9672, 0.3235,  
0.4618


 0.9707, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 73.6257, 0.3121,  
0.5754


 73.6257, 0.3121,  
0.5754

 72.6662, 0.3084,  
0.5896


 74.9685, 0.3152,  
0.5535

 72.2067, 0.3058,  
0.5954


 76.7506, 0.3174,  
0.5254


 79.0019, 0.3185,  
0.4931


 81.7539, 0.3187,  
0.4590

 85.0349, 0.3181,  
0.4252

 88.8714, 0.3168,  
0.3930

 93.2878, 0.3152,  
0.3634

 98.3071, 0.3133,  
0.3367

 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.



73.6257, 0.4231, 0.5368



73.6257, 0.3121, 0.5754



73.6257, 0.2065, 0.4851

# Triad

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



73.6257, 0.3121, 0.5754



73.6257, 0.1265, 0.1632



73.6257, 0.5188, 0.2889

# Complementary

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



73.6257, 0.3121, 0.5754



23.1212, 0.2793, 0.1392

# 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.



73.6257, 0.3970, 0.2218



73.6257, 0.3121, 0.5754



73.6257, 0.1740, 0.1535

# Square

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



73.6257, 0.3121, 0.5754



73.6257, 0.1140, 0.2130



73.6257, 0.2652, 0.1740



73.6257, 0.5608, 0.3643



# Rectangle

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



73.6257, 0.3121, 0.5754



73.6257, 0.1549, 0.3760



73.6257, 0.2652, 0.1740



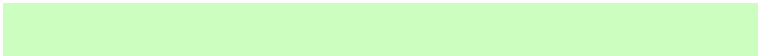
73.6257, 0.4844, 0.2652

# Sweetspot

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



73.6206, 0.3121, 0.5754



88.1065, 0.3171, 0.3988



68.8267, 0.4468, 0.4704



18.5641, 0.3176, 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.



73.6206, 0.3121, 0.5754



72.2067, 0.3058, 0.5954



73.0883, 0.2848, 0.5284



20.3407, 0.3145, 0.3534



37.7781, 0.3066, 0.5948



3.7211, 0.3135, 0.5893



# Inverse Universe

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



23.1212, 0.2793, 0.1392



20.1514, 0.2704, 0.1263



26.7708, 0.3956, 0.2054



18.1086, 0.3106, 0.3054



10.5935, 0.2713, 0.1268

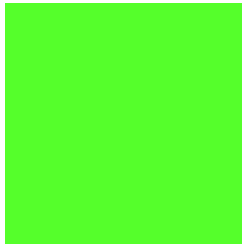


1.0755, 0.2772, 0.1301



# Previews

## White Background



This preview shows how the Yxy color 73.6257, 0.3121, 0.5754 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 73.6257, 0.3121, 0.5754 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

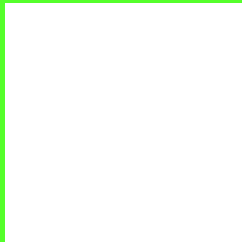
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6257, 0.3121, 0.5754**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6257, 0.3121, 0.5754.

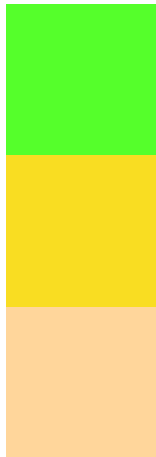


This preview shows how white text looks on a background with the Yxy color 73.6257, 0.3121, 0.5754.

# 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

73.6257, 0.3121, 0.5754

### Protanopia

71.9681, 0.4372, 0.4825

### Deuteranopia

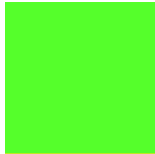
71.7197, 0.3869, 0.3897



## Tritanopia

73.1916, 0.2475, 0.3080

# Trichromacy



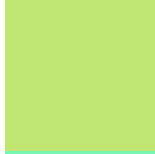
## Original Color

73.6257, 0.3121, 0.5754



## Protanomaly

69.2302, 0.3819, 0.5239



## Deuteranomaly

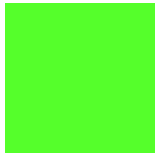
68.5910, 0.3584, 0.4634



## Tritanomaly

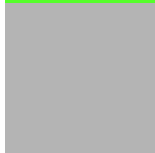
71.8377, 0.2770, 0.4146

# Monochromacy



## Original Color

73.6257, 0.3121, 0.5754



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

52.2571, 0.3182, 0.4374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6257, 0.3121, 0.5754 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(85, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 43)  
}
```

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(85, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6257, 0.3121, 0.5754 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(85, 255, 43) }
```

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

```
.border{ border-color:rgb(85, 255, 43) }
```

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

Here you see how a box with a 4 pixel rgb(85, 255, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6257, 0.3121, 0.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 43) }
```

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

```
.background{ background-color: rgb(85, 255,  
43) }
```

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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