

# Converting Colors

$Yxy(73.0334, 0.3083, 0.5567)$

Have a look what the booklet for  
Yxy(73.0334, 0.3083, 0.5567)  
contains.

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# Color

**Yxy(72.8166, 0.3083, 0.5563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59FD46
RGB	89, 253, 70
RGB Percent	35%, 99%, 27%
CMY	0.6508, 0.0078, 0.7254
CMYK	0.65, 0.00, 0.72, 0.01
HSL	114°, 98%, 63%
HSV	114°, 72%, 99%
XYZ	40.3548, 72.8166, 17.7231
YIQ	183.1020, -39.0010, -91.6810

# Conversions

## Conversions Part 2

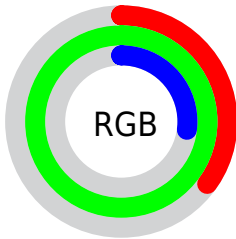
Format	Color
<a href="#">RYB</a>	<a href="#">70, 253, 234</a>
Decimal	<a href="#">5897542</a>
CIELab	<a href="#">88.36, -74.03, 70.73</a>
CIELCh	<a href="#">88, 102.388, 136.305</a>
Yxy	<a href="#">72.8166, 0.3083, 0.5563</a>
Android (android.graphics.Color)	<a href="#">4284087622 (0xFF59FD46)</a>
YUV	<a href="#">183.1020, -55.7593, -82.5275</a>
Hunter-Lab	<a href="#">85.3326, -64.9175, 47.4186</a>

# Details

The Yxy color **72.8166, 0.3083, 0.5563** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **28.9581, 0.3016, 0.1623**, and the grayscale version is **47.7513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1464, 0.3203, 0.4811**, and **39.0302, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6097, 0.3060, 0.5786**, and if you desaturate by 10%, it is **74.5092, 0.3103, 0.5272**.

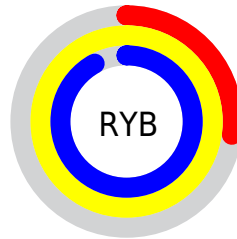
# Distribution



Red (35%)

Green (99%)

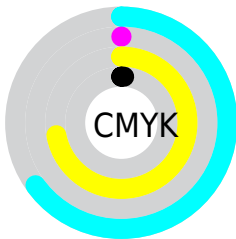
Blue (27%)



Red (27%)

Yellow (99%)

Blue (92%)

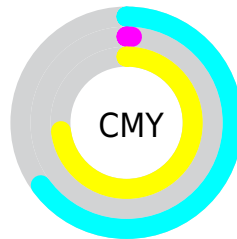


Cyan (65%)

Magenta (0%)

Yellow (72%)

Black (1%)



Cyan (65%)

Magenta (1%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8166, 0.3083, 0.5563 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 72.8166, 0.3083, 0.5563 by changing the saturation by 10% instead.




 72.8166, 0.3083,  
0.5563


 72.8166, 0.3083,  
0.5563


470.3789, 0.3194,  
0.4435


 53.8260, 0.3030,  
0.5825

 123.2168, 0.3143,  
0.5165

 38.4626, 0.2950,  
0.6144


 155.3952, 0.3160,  
0.5011


 26.3419, 0.2825,  
0.6534

 192.7384, 0.3172,  
0.4880

 17.0796, 0.2626,  
0.7011

 235.6307, 0.3180,  
0.4766

 10.2913, 0.2333,  
0.7667

 284.4565, 0.3186,  
0.4667

 5.5925, 0.1795,  
0.8205

339.6002, 0.3190,

 2.5989, 0.0458,

0.4580

0.9542

401.4462, 0.3192,  
0.4503

0.9261, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.8166, 0.3083,  
0.5563

72.8166, 0.3083,  
0.5563

71.6097, 0.3060,  
0.5786

74.5092, 0.3103,  
0.5272

70.8284, 0.3036,  
0.5927

76.7221, 0.3118,  
0.4937


70.4747, 0.3020,  
0.5984

79.4970, 0.3128,  
0.4586

82.8692, 0.3133,  
0.4238

 86.8706, 0.3134,  
0.3911

 91.5312, 0.3132,  
0.3613

 96.8789, 0.3128,  
0.3347

 98.7306, 0.3128,  
0.3271

# Harmonies

## Analogous

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



72.8166, 0.4144, 0.5315



72.8166, 0.3083, 0.5563



72.8166, 0.2084, 0.4642

# Triad

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



72.8166, 0.3083, 0.5563



72.8166, 0.1368, 0.1700



72.8166, 0.5109, 0.2972

# Complementary

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



72.8166, 0.3083, 0.5563



28.9581, 0.3016, 0.1623

# 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.



72.8166, 0.4005, 0.2314



72.8166, 0.3083, 0.5563



72.8166, 0.1855, 0.1621

# Square

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



72.8166, 0.3083, 0.5563



72.8166, 0.1229, 0.2160



72.8166, 0.2757, 0.1837



72.8166, 0.5466, 0.3711



# Rectangle

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



72.8166, 0.3083, 0.5563



72.8166, 0.1603, 0.3641



72.8166, 0.2757, 0.1837



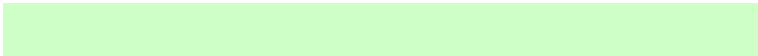
72.8166, 0.4802, 0.2740

# Sweetspot

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



72.8197, 0.3083, 0.5563



88.5810, 0.3134, 0.3901



78.8421, 0.4226, 0.4735



18.7083, 0.3134, 0.3987



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.



72.8197, 0.3083, 0.5563



72.4784, 0.3048, 0.5863



73.4512, 0.2777, 0.4811



20.2586, 0.3131, 0.3535



37.5185, 0.3024, 0.5981



3.6815, 0.3071, 0.5943



# Inverse Universe

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



28.9581, 0.3016, 0.1623



25.4566, 0.2978, 0.1462



28.6772, 0.4019, 0.2250



18.1987, 0.3121, 0.3055



12.4692, 0.2948, 0.1397

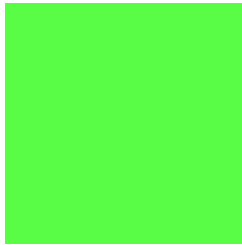


1.2406, 0.2979, 0.1415



# Previews

## White Background



This preview shows how the Yxy color 72.8166, 0.3083, 0.5563 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 72.8166, 0.3083, 0.5563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

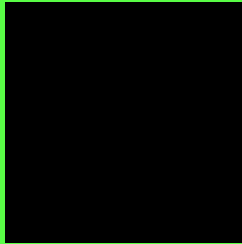
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8166, 0.3083, 0.5563**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8166, 0.3083, 0.5563.

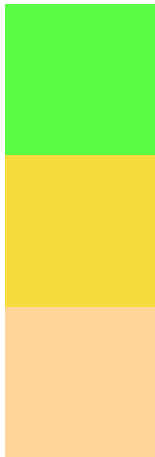


This preview shows how white text looks on a background with the Yxy color 72.8166, 0.3083, 0.5563.

# 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

72.8166, 0.3083, 0.5563

### Protanopia

71.1162, 0.4287, 0.4732

### Deuteranopia

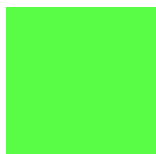
71.1484, 0.3888, 0.3908



## Tritanopia

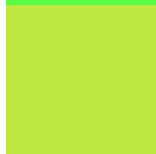
72.1975, 0.2452, 0.3067

# Trichromacy



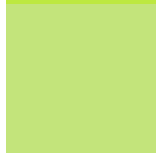
## Original Color

72.8166, 0.3083, 0.5563



## Protanomaly

68.9022, 0.3757, 0.5098



## Deuteranomaly

68.5190, 0.3553, 0.4524



## Tritanomaly

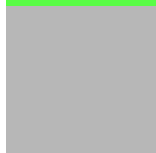
70.9170, 0.2709, 0.3988

# Monochromacy



## Original Color

72.8166, 0.3083, 0.5563



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

53.4543, 0.3134, 0.4206

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8166, 0.3083, 0.5563 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(89, 253, 70)` looks like.

```
.text, #text, p{  
    color:rgb(89, 253, 70)  
}
```

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(89, 253, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 253, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8166, 0.3083, 0.5563 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(89, 253, 70) }
```

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

```
.border{ border-color:rgb(89, 253, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 253, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 253, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 253, 70);  
box-shadow:4px 4px 4px 4px rgb(89, 253,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8166, 0.3083, 0.5563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 253, 70) }
```

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

```
.background{ background-color: rgb(89, 253,  
70) }
```

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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