

# Converting Colors

$Yxy(73.4783, 0.2992, 0.5509)$

Have a look what the booklet for  
Yxy(73.4783, 0.2992, 0.5509)  
contains.

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# Color

**Yxy(73.5069, 0.2992, 0.5505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48FF52
RGB	72, 255, 82
RGB Percent	28%, 100%, 32%
CMY	0.7180, 0.0000, 0.6783
CMYK	0.72, 0.00, 0.68, 0.00
HSL	123°, 100%, 64%
HSV	123°, 72%, 100%
XYZ	39.9514, 73.5069, 20.0692
YIQ	180.5610, -53.5350, -92.5990

# Conversions

## Conversions Part 2

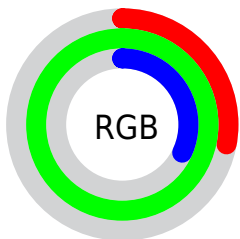
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 246, 255
Decimal	4783954
CIELab	88.69, -76.70, 66.68
CIELCh	89, 101.633, 138.999
Yxy	73.5069, 0.2992, 0.5505
Android (android.graphics.Color)	4282974034 (0xFF48FF52)
YUV	180.5610, -48.5906, -95.2080
Hunter-Lab	85.7362, -66.8607, 46.1367

# Details

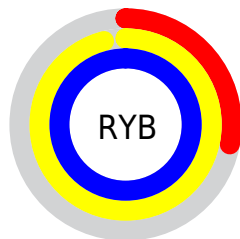
The Yxy color **73.5069, 0.2992, 0.5505** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **32.4699, 0.3300, 0.1785**, and the grayscale version is **46.2349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3134, 0.3086, 0.4714**, and **39.9522, 0.2993, 0.5973** is the 20% darker color. If you saturate the color by 10%, you get **72.4154, 0.2988, 0.5744**, and if you desaturate by 10%, it is **75.1274, 0.3002, 0.5204**.

# Distribution



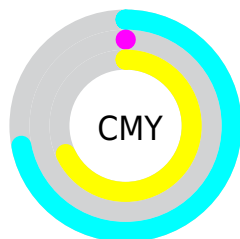
- Red (28%)
- Green (100%)
- Blue (32%)



- Red (28%)
- Yellow (96%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5069, 0.2992, 0.5505 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 73.5069, 0.2992, 0.5505 by changing the saturation by 10% instead.





 73.5069, 0.2992,  
0.5505


 73.5069, 0.2992,  
0.5505


472.7698, 0.3136,  
0.4399


 54.3905, 0.2935,  
0.5766

 124.1966, 0.3061,  
0.5112


 38.9140, 0.2851,  
0.6086


 156.5386, 0.3082,  
0.4961

 26.6928, 0.2724,  
0.6484


 194.0581, 0.3098,  
0.4832

 17.3427, 0.2527,  
0.6979

 237.1393, 0.3110,  
0.4721

 10.4791, 0.2259,  
0.7740

286.1667, 0.3119,  
0.4625

 5.7178, 0.1716,  
0.8284

341.5247, 0.3126,

 2.6742, 0.0340,

0.4540

0.9660

403.5975, 0.3132,  
0.4465

0.9641, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

73.5069, 0.2992,  
0.5505

73.5069, 0.2992,  
0.5505

72.4154, 0.2988,  
0.5744

75.1274, 0.3002,  
0.5204


71.7931, 0.2990,  
0.5905


77.3422, 0.3018,  
0.4867


71.5519, 0.2993,  
0.5976


80.1980, 0.3038,  
0.4520

83.7393, 0.3059,  
0.4181

 88.0065, 0.3082,  
0.3866

 93.0370, 0.3103,  
0.3582

 98.8653, 0.3124,  
0.3332

 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.



73.5069, 0.4050, 0.5354



73.5069, 0.2992, 0.5505



73.5069, 0.2020, 0.4498

# Triad

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



73.5069, 0.2992, 0.5505



73.5069, 0.1410, 0.1692



73.5069, 0.5157, 0.3040

# Complementary

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



73.5069, 0.2992, 0.5505



32.4699, 0.3300, 0.1785

# 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.



73.5069, 0.4111, 0.2376



73.5069, 0.2992, 0.5505



73.5069, 0.1929, 0.1641

# Square

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



73.5069, 0.2992, 0.5505



73.5069, 0.1242, 0.2110



73.5069, 0.2862, 0.1880



73.5069, 0.5435, 0.3782



# Rectangle

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



73.5069, 0.2992, 0.5505



73.5069, 0.1568, 0.3509



73.5069, 0.2862, 0.1880



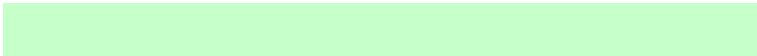
73.5069, 0.4875, 0.2807

# Sweetspot

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



73.5041, 0.2992, 0.5505



87.9126, 0.3081, 0.3873



91.5518, 0.4020, 0.4915



18.5543, 0.3075, 0.3955



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.



73.5041, 0.2992, 0.5505



72.1015, 0.2988, 0.5822



75.8967, 0.2649, 0.4377



20.1844, 0.3108, 0.3522



37.3939, 0.2991, 0.5967



3.6464, 0.2969, 0.5888



# Inverse Universe

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



32.4699, 0.3300, 0.1785



28.9682, 0.3330, 0.1663



28.2272, 0.4444, 0.2539



18.2820, 0.3147, 0.3069



14.4323, 0.3353, 0.1621

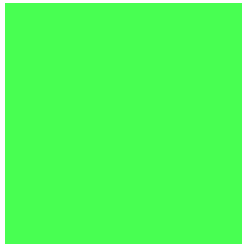


1.4103, 0.3335, 0.1611



# Previews

## White Background



This preview shows how the Yxy color 73.5069, 0.2992, 0.5505 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 73.5069, 0.2992, 0.5505 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 73.5069, 0.2992, 0.5505**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5069, 0.2992, 0.5505.

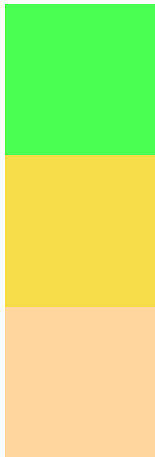


This preview shows how white text looks on a background with the Yxy color 73.5069, 0.2992, 0.5505.

# 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

73.5069, 0.2992, 0.5505

### Protanopia

71.9681, 0.4244, 0.4669

### Deuteranopia

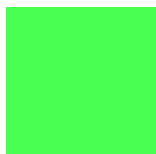
71.7875, 0.3855, 0.3877



## Tritanopia

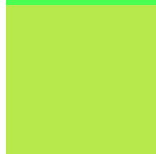
72.7749, 0.2454, 0.3079

# Trichromacy



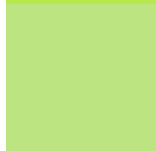
## Original Color

73.5069, 0.2992, 0.5505



## Protanomaly

68.8669, 0.3665, 0.5051



## Deuteranomaly

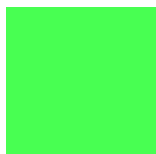
68.3417, 0.3458, 0.4477



## Tritanomaly

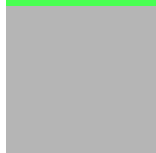
71.8866, 0.2668, 0.3961

# Monochromacy



## Original Color

73.5069, 0.2992, 0.5505



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

52.8188, 0.3057, 0.4178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5069, 0.2992, 0.5505 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(72, 255, 82)` looks like.

```
.text, #text, p{  
  color:rgb(72, 255, 82)  
}
```

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(72, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5069, 0.2992, 0.5505 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(72, 255, 82) }
```

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

```
.border{ border-color:rgb(72, 255, 82) }
```

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

Here you see how a box with a 4 pixel rgb(72, 255, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5069, 0.2992, 0.5505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 82) }
```

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

```
.background{ background-color: rgb(72, 255,  
82) }
```

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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