

# Converting Colors

Yxy(73.3188, 0.2929, 0.5409)

Have a look what the booklet for  
Yxy(73.3188, 0.2929, 0.5409)  
contains.

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# Color

**Yxy(73.3024, 0.2930, 0.5415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DFF5D
RGB	61, 255, 93
RGB Percent	24%, 100%, 36%
CMY	0.7604, 0.0000, 0.6355
CMYK	0.76, 0.00, 0.64, 0.00
HSL	130°, 100%, 62%
HSV	130°, 76%, 100%
XYZ	39.6632, 73.3024, 22.4036
YIQ	178.5260, -63.6220, -91.5100

# Conversions

## Conversions Part 2

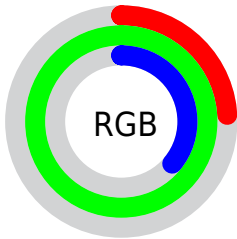
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 228, 255
Decimal	4063069
CIE Lab	88.59, -77.19, 62.26
CIE LCh	89, 99.166, 141.111
Yxy	73.3024, 0.2930, 0.5415
Android (android.graphics.Color)	4282253149 (0xFF3DFF5D)
YUV	178.5260, -42.1643, -103.0703
Hunter-Lab	85.6168, -67.1369, 44.4172

# Details

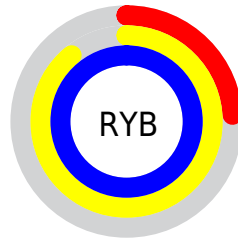
The Yxy color **73.3024, 0.2930, 0.5415** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **29.9436, 0.3540, 0.1884**, and the grayscale version is **45.0818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0083, 0.3003, 0.4607**, and **40.0423, 0.2960, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **72.3512, 0.2939, 0.5651**, and if you desaturate by 10%, it is **74.7481, 0.2932, 0.5133**.

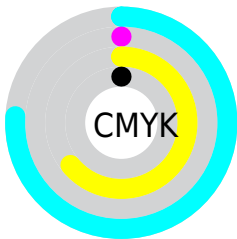
# Distribution



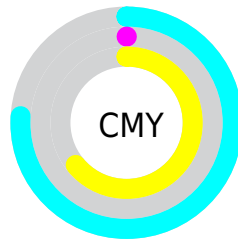
- Red (24%)
- Green (100%)
- Blue (36%)



- Red (24%)
- Yellow (89%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3024, 0.2930, 0.5415 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 73.3024, 0.2930, 0.5415 by changing the saturation by 10% instead.





 73.3024, 0.2930,  
0.5415

 73.3024, 0.2930,  
0.5415


472.0622, 0.3094,  
0.4348

 54.2233, 0.2871,  
0.5670


 123.9064, 0.3004,  
0.5033

 38.7802, 0.2787,  
0.5986

 156.2001, 0.3027,  
0.4888

 26.5888, 0.2663,  
0.6383


 193.6674, 0.3045,  
0.4764

 17.2646, 0.2471,  
0.6886

 236.6927, 0.3060,  
0.4657

 10.4233, 0.2190,  
0.7592

285.6605, 0.3071,  
0.4565

 5.6805, 0.1692,  
0.8308

340.9550, 0.3080,

 2.6518, 0.0264,

0.4484

0.9736

402.9608, 0.3088,  
0.4412

0.9528, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

73.3024, 0.2930,  
0.5415

73.3024, 0.2930,  
0.5415

72.3512, 0.2939,  
0.5651

74.7481, 0.2932,  
0.5133

71.8184, 0.2958,  
0.5825


76.7370, 0.2946,  
0.4824

71.6864, 0.2966,  
0.5877

79.3198, 0.2969,  
0.4507

82.5396, 0.2999,  
0.4200

 86.4351, 0.3033,  
0.3912

 91.0422, 0.3069,  
0.3650

 96.3941, 0.3106,  
0.3417

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.



73.3024, 0.3973, 0.5354



73.3024, 0.2930, 0.5415



73.3024, 0.1990, 0.4367

# Triad

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



73.3024, 0.2930, 0.5415



73.3024, 0.1462, 0.1707



73.3024, 0.5159, 0.3100

# Complementary

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



73.3024, 0.2930, 0.5415



29.9436, 0.3540, 0.1884

# 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.



73.3024, 0.4177, 0.2436



73.3024, 0.2930, 0.5415



73.3024, 0.2003, 0.1676

# Square

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



73.3024, 0.2930, 0.5415



73.3024, 0.1273, 0.2092



73.3024, 0.2949, 0.1931



73.3024, 0.5379, 0.3839



# Rectangle

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



73.3024, 0.2930, 0.5415



73.3024, 0.1563, 0.3411



73.3024, 0.2949, 0.1931



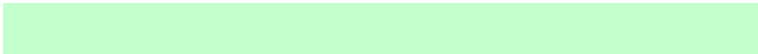
73.3024, 0.4900, 0.2868

# Sweetspot

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



73.3049, 0.2930, 0.5415



87.7583, 0.3044, 0.3830



88.0130, 0.3909, 0.5064



18.4488, 0.3031, 0.3928



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.



73.3049, 0.2930, 0.5415



72.0393, 0.2948, 0.5746



76.1090, 0.2563, 0.4179



20.2168, 0.3093, 0.3495



37.4719, 0.2960, 0.5858



3.6616, 0.2911, 0.5679



# Inverse Universe

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



29.9436, 0.3540, 0.1884



26.8740, 0.3632, 0.1806



26.1923, 0.4862, 0.2717



18.2461, 0.3163, 0.3094



13.6408, 0.3675, 0.1798

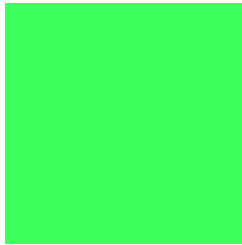


1.3412, 0.3613, 0.1764



# Previews

## White Background



This preview shows how the Yxy color 73.3024, 0.2930, 0.5415 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 73.3024, 0.2930, 0.5415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

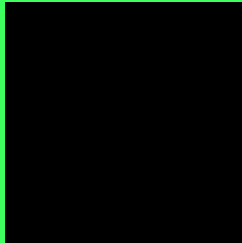
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.3024, 0.2930, 0.5415**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3024, 0.2930, 0.5415.



This preview shows how white text looks on a background with the Yxy color 73.3024, 0.2930, 0.5415.

# 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

73.3024, 0.2930, 0.5415

### Protanopia

71.9303, 0.4195, 0.4612

### Deuteranopia

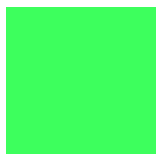
71.3171, 0.3851, 0.3857



## Tritanopia

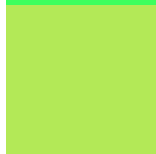
72.5342, 0.2442, 0.3078

# Trichromacy



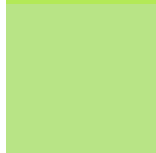
## Original Color

73.3024, 0.2930, 0.5415



## Protanomaly

68.5497, 0.3593, 0.4980



## Deuteranomaly

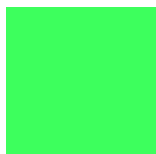
67.3984, 0.3408, 0.4433



## Tritanomaly

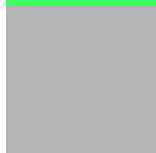
71.6901, 0.2626, 0.3910

# Monochromacy



## Original Color

73.3024, 0.2930, 0.5415



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

51.9980, 0.3004, 0.4131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3024, 0.2930, 0.5415 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(61, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 93)  
}
```

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(61, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3024, 0.2930, 0.5415 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(61, 255, 93) }
```

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

```
.border{ border-color:rgb(61, 255, 93) }
```

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

Here you see how a box with a 4 pixel rgb(61, 255, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3024, 0.2930, 0.5415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 93) }
```

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

```
.background{ background-color: rgb(61, 255,  
93) }
```

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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