

Converting Colors

$Y_{xy}(73.2348, 0.3073, 0.5738)$

Have a look what the booklet for
Yxy(73.2348, 0.3073, 0.5738)
contains.

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Color

Yxy(73.2549, 0.3074, 0.5736)

Conversions

Conversions Part 1

Format	Color
Hex	4BFF33
RGB	75, 255, 51
RGB Percent	29%, 100%, 20%
CMY	0.7059, 0.0000, 0.8001
CMYK	0.71, 0.00, 0.80, 0.00
HSL	113°, 100%, 60%
HSV	113°, 80%, 100%
XYZ	39.2583, 73.2549, 15.1976
YIQ	177.9240, -41.7960, -101.6040

Conversions

Conversions Part 2

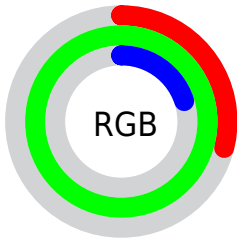
Format	Color
RYB	51, 255, 231
Decimal	4980531
CIELab	88.57, -78.37, 76.55
CIELCh	89, 109.547, 135.673
Yxy	73.2549, 0.3074, 0.5736
Android (android.graphics.Color)	4283170611 (0xFF4BFF33)
YUV	177.9240, -62.5735, -90.2643
Hunter-Lab	85.5891, -67.9059, 49.3846

Details

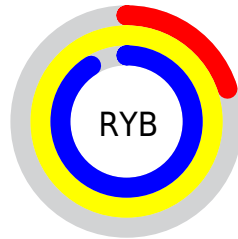
The Yxy color **73.2549, 0.3074, 0.5736** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **26.5689, 0.2969, 0.1512**, and the grayscale version is **44.8299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9379, 0.3212, 0.4988**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.3356, 0.3048, 0.5897**, and if you desaturate by 10%, it is **74.6169, 0.3098, 0.5495**.

Distribution



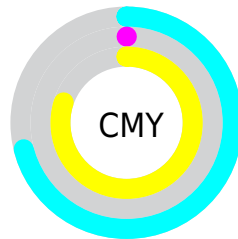
- Red (29%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (91%)



- Cyan (71%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2549, 0.3074, 0.5736 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 73.2549, 0.3074, 0.5736 by changing the saturation by 10% instead.

 73.2549, 0.3074,
0.5736


 73.2549, 0.3074,
0.5736


471.8978, 0.3206,
0.4527

 54.1844, 0.3011,
0.6011


 123.8390, 0.3145,
0.5312


 38.7491, 0.2917,
0.6343


 156.1214, 0.3166,
0.5148


 26.5646, 0.2771,
0.6743


 193.5766, 0.3180,
0.5007

 17.2465, 0.2551,
0.7238

 236.5889, 0.3190,
0.4885

 10.4104, 0.2199,
0.7801

 285.5428, 0.3196,
0.4778

 5.6719, 0.1648,
0.8352


340.8227, 0.3201,


 2.6466, 0.0152,


0.4684


0.9848


402.8129, 0.3204,
0.4601


 0.9502, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.2549, 0.3074,
0.5736


 73.2549, 0.3074,
0.5736


 72.3356, 0.3048,
0.5897


 74.6169, 0.3098,
0.5495

 71.7965, 0.3024,
0.5981


 76.4711, 0.3117,
0.5192

 78.8585, 0.3130,
0.4853

 81.8165, 0.3137,
0.4502

 85.3788, 0.3140,
0.4159

 89.5765, 0.3138,
0.3839

 94.4387, 0.3134,
0.3548

99.9925, 0.3127,
0.3290

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.



73.2549, 0.4184, 0.5396



73.2549, 0.3074, 0.5736



73.2549, 0.2030, 0.4779

Triad

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



73.2549, 0.3074, 0.5736



73.2549, 0.1282, 0.1625



73.2549, 0.5219, 0.2922

Complementary

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



73.2549, 0.3074, 0.5736



26.5689, 0.2969, 0.1512

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.



73.2549, 0.4028, 0.2247



73.2549, 0.3074, 0.5736



73.2549, 0.1773, 0.1542

Square

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



73.2549, 0.3074, 0.5736



73.2549, 0.1143, 0.2101



73.2549, 0.2704, 0.1759



73.2549, 0.5598, 0.3679

Rectangle

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



73.2549, 0.3074, 0.5736



73.2549, 0.1528, 0.3688



73.2549, 0.2704, 0.1759



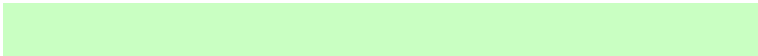
73.2549, 0.4887, 0.2685

Sweetspot

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



73.2545, 0.3074, 0.5736



87.8246, 0.3139, 0.3963



76.8732, 0.4326, 0.4784



18.4818, 0.3140, 0.4078



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.



73.2545, 0.3074, 0.5736



71.9743, 0.3032, 0.5954



73.7236, 0.2793, 0.5038



20.2705, 0.3133, 0.3534



37.5473, 0.3029, 0.5977



3.6871, 0.3080, 0.5936

Inverse Universe

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



26.5689, 0.2969, 0.1512



23.6375, 0.2920, 0.1392



26.9278, 0.4106, 0.2182



18.1854, 0.3119, 0.3055



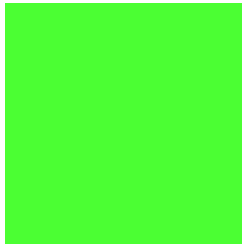
12.1773, 0.2913, 0.1378



1.2151, 0.2949, 0.1398

Previews

White Background



This preview shows how the Yxy color 73.2549, 0.3074, 0.5736 looks on a white background.

Color Contrast Check

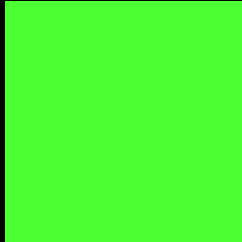
Large Text (above 18pt) WCAG AA × Fail

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 73.2549, 0.3074, 0.5736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

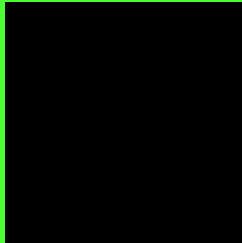
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.2549, 0.3074, 0.5736

Background



This preview shows how black text looks on a background with the Yxy color 73.2549, 0.3074, 0.5736.

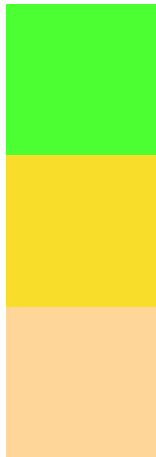


This preview shows how white text looks on a background with the Yxy color 73.2549, 0.3074, 0.5736.

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

73.2549, 0.3074, 0.5736

Protanopia

71.8365, 0.4348, 0.4807

Deuteranopia

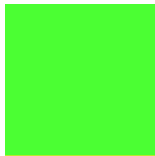
71.6862, 0.3876, 0.3907



Tritanopia

72.7749, 0.2454, 0.3079

Trichromacy



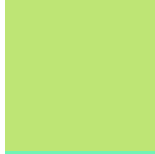
Original Color

73.2549, 0.3074, 0.5736



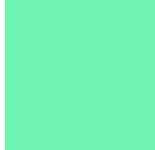
Protanomaly

68.7816, 0.3772, 0.5229



Deuteranomaly

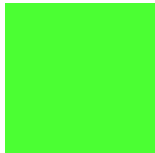
68.2701, 0.3546, 0.4614



Tritanomaly

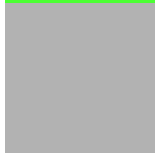
71.4823, 0.2725, 0.4111

Monochromacy



Original Color

73.2549, 0.3074, 0.5736



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4713, 0.3141, 0.4344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2549, 0.3074, 0.5736 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(75, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 51)  
}
```

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(75, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 73.2549, 0.3074, 0.5736 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(75, 255, 51) }
```

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

```
.border{ border-color:rgb(75, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(75, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2549, 0.3074, 0.5736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 51) }
```

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

```
.background{ background-color: rgb(75, 255,  
51) }
```

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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