

Converting Colors

$Y_{xy}(73.3539, 0.2853, 0.5239)$

Have a look what the booklet for
Yxy(73.3539, 0.2853, 0.5239)
contains.

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Color

Yxy(73.3496, 0.2851, 0.5236)

Conversions

Conversions Part 1

Format	Color
Hex	33FF6E
RGB	51, 255, 110
RGB Percent	20%, 100%, 43%
CMY	0.8000, 0.0000, 0.5687
CMYK	0.80, 0.00, 0.57, 0.00
HSL	137°, 100%, 60%
HSV	137°, 80%, 100%
XYZ	39.9388, 73.3496, 26.7987
YIQ	177.4740, -75.0390, -88.3430

Conversions

Conversions Part 2

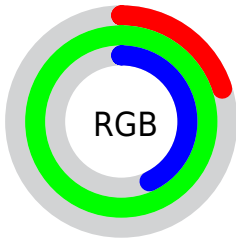
Format	Color
RYB	51, 209, 255
Decimal	3407726
CIELab	88.61, -76.42, 55.03
CIELCh	89, 94.173, 144.241
Yxy	73.3496, 0.2851, 0.5236
Android (android.graphics.Color)	4281597806 (0xFF33FF6E)
YUV	177.4740, -33.2647, -110.9177
Hunter-Lab	85.6444, -66.6372, 41.3989

Details

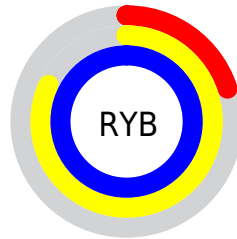
The Yxy color **73.3496, 0.2851, 0.5236** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **27.6145, 0.3886, 0.2048**, and the grayscale version is **44.4363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0619, 0.2899, 0.4415**, and **40.2180, 0.2900, 0.5640** is the 20% darker color. If you saturate the color by 10%, you get **72.5033, 0.2871, 0.5464**, and if you desaturate by 10%, it is **74.6386, 0.2847, 0.4978**.

Distribution



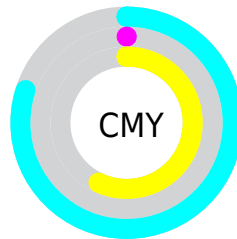
- Red (20%)
- Green (100%)
- Blue (43%)



- Red (20%)
- Yellow (82%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.3496, 0.2851, 0.5236 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 73.3496, 0.2851, 0.5236 by changing the saturation by 10% instead.


 73.3496, 0.2851,
0.5236

 73.3496, 0.2851,
0.5236


472.2256, 0.3037,
0.4256

 54.2619, 0.2792,
0.5474


 123.9734, 0.2929,
0.4883


 38.8111, 0.2710,
0.5772


 156.2782, 0.2955,
0.4749

 26.6128, 0.2592,
0.6153


 193.7576, 0.2976,
0.4635

 17.2826, 0.2414,
0.6648

 236.7958, 0.2993,
0.4538

 10.4362, 0.2137,
0.7299

285.7773, 0.3007,
0.4453

 5.6891, 0.1722,
0.8278

341.0865, 0.3019,

 2.6570, 0.0339,

0.4379

0.9661

403.1078, 0.3029,
0.4314

■ 0.9554, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.3496, 0.2851,
0.5236

■ 73.3496, 0.2851,
0.5236

■ 72.5033, 0.2871,
0.5464

■ 74.6386, 0.2847,
0.4978

■ 72.0108, 0.2904,
0.5653

■ 76.4277, 0.2859,
0.4704

■ 72.0107, 0.2904,
0.5653

■ 78.7644, 0.2885,
0.4428

■ 81.6905, 0.2923,
0.4160

■ 85.2439, 0.2969,
0.3909

■ 89.4591, 0.3020,
0.3680

■ 94.3682, 0.3073,
0.3473

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.



73.3496, 0.3857, 0.5311



73.3496, 0.2851, 0.5236



73.3496, 0.1970, 0.4168

Triad

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



73.3496, 0.2851, 0.5236



73.3496, 0.1562, 0.1751



73.3496, 0.5120, 0.3193

Complementary

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



73.3496, 0.2851, 0.5236



27.6145, 0.3886, 0.2048

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.



73.3496, 0.4246, 0.2536



73.3496, 0.2851, 0.5236



73.3496, 0.2127, 0.1749

Square

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



73.3496, 0.2851, 0.5236



73.3496, 0.1344, 0.2090



73.3496, 0.3077, 0.2024



73.3496, 0.5263, 0.3920

Rectangle

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



73.3496, 0.2851, 0.5236



73.3496, 0.1583, 0.3282



73.3496, 0.3077, 0.2024



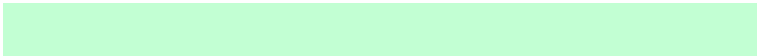
73.3496, 0.4899, 0.2965

Sweetspot

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



73.3493, 0.2851, 0.5236



87.6909, 0.2999, 0.3769



83.6565, 0.3732, 0.5253



18.4521, 0.2981, 0.3851



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.



73.3493, 0.2851, 0.5236



72.1795, 0.2890, 0.5583



76.9171, 0.2449, 0.3855



20.2545, 0.3076, 0.3464



37.6494, 0.2896, 0.5625



3.6838, 0.2835, 0.5405

Inverse Universe

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



27.6145, 0.3886, 0.2048



24.9515, 0.4080, 0.2035



24.4579, 0.5413, 0.2975



18.2056, 0.3183, 0.3123



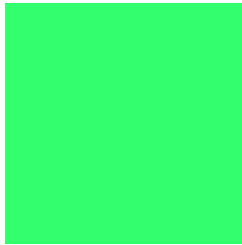
12.8851, 0.4108, 0.2037



1.2736, 0.3981, 0.1966

Previews

White Background



This preview shows how the Yxy color 73.3496, 0.2851, 0.5236 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 73.3496, 0.2851, 0.5236 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 73.3496, 0.2851, 0.5236

Background



This preview shows how black text looks on a background with the Yxy color 73.3496, 0.2851, 0.5236.

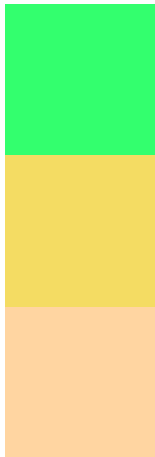


This preview shows how white text looks on a background with the Yxy color 73.3496, 0.2851, 0.5236.

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

73.3496, 0.2851, 0.5236

Protanopia

71.3203, 0.4108, 0.4497

Deuteranopia

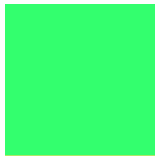
71.4217, 0.3829, 0.3827



Tritanopia

72.3776, 0.2434, 0.3078

Trichromacy



Original Color

73.3496, 0.2851, 0.5236



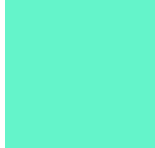
Protanomaly

68.2558, 0.3485, 0.4850



Deuteranomaly

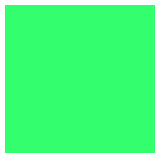
67.2636, 0.3339, 0.4345



Tritanomaly

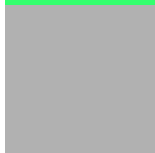
71.6750, 0.2580, 0.3831

Monochromacy



Original Color

73.3496, 0.2851, 0.5236



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.7878, 0.2938, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3496, 0.2851, 0.5236 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(51, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 110)  
}
```

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(51, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 110) }
```

Border

The CSS property to change the border of an element to Yxy 73.3496, 0.2851, 0.5236 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(51, 255, 110) }
```

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

```
.border{ border-color:rgb(51, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3496, 0.2851, 0.5236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 110) }
```

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

```
.background{ background-color: rgb(51, 255,  
110) }
```

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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