

Converting Colors

$Y_{xy}(72.6400, 0.2975, 0.5663)$

Have a look what the booklet for
Yxy(72.6400, 0.2975, 0.5663)
contains.

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Color

Yxy(72.6412, 0.2975, 0.5662)

Conversions

Conversions Part 1

Format	Color
Hex	33FF44
RGB	51, 255, 68
RGB Percent	20%, 100%, 27%
CMY	0.8002, 0.0000, 0.7331
CMYK	0.80, 0.00, 0.73, 0.00
HSL	125°, 100%, 60%
HSV	125°, 80%, 100%
XYZ	38.1681, 72.6412, 17.4867
YIQ	172.6860, -61.5570, -101.4050

Conversions

Conversions Part 2

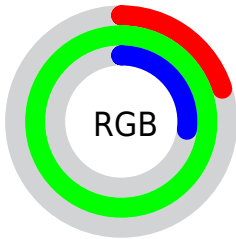
Format	Color
RYB	51, 239, 255
Decimal	3407684
CIELab	88.28, -80.58, 71.07
CIELCh	88, 107.448, 138.587
Yxy	72.6412, 0.2975, 0.5662
Android (android.graphics.Color)	4281597764 (0xFF33FF44)
YUV	172.6860, -51.6102, -106.7186
Hunter-Lab	85.2298, -69.2153, 47.4962

Details

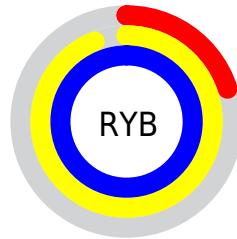
The Yxy color **72.6412, 0.2975, 0.5662** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.7900, 0.3380, 0.1741**, and the grayscale version is **41.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0389, 0.3082, 0.4882**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.9196, 0.2980, 0.5849**, and if you desaturate by 10%, it is **73.8377, 0.2978, 0.5405**.

Distribution



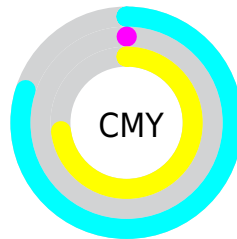
- Red (20%)
- Green (100%)
- Blue (27%)



- Red (20%)
- Yellow (94%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6412, 0.2975, 0.5662 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 72.6412, 0.2975, 0.5662 by changing the saturation by 10% instead.


 72.6412, 0.2975,
0.5662


 72.6412, 0.2975,
0.5662


469.7703, 0.3141,
0.4476

 53.6826, 0.2909,
0.5939


 122.9677, 0.3055,
0.5242


 38.3480, 0.2811,
0.6277


 155.1044, 0.3079,
0.5080


 26.2529, 0.2665,
0.6692


 192.4027, 0.3097,
0.4942

 17.0129, 0.2440,
0.7200

 235.2468, 0.3111,
0.4823

 10.2437, 0.2112,
0.7888

 284.0213, 0.3122,
0.4719

 5.5608, 0.1549,
0.8451

339.1104, 0.3130,

 2.5799, 0.0000,

0.4628

1.0000

400.8986, 0.3136,
0.4548

■ 0.9166, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.6412, 0.2975,
0.5662

■ 72.6412, 0.2975,
0.5662

■ 71.9196, 0.2980,
0.5849


■ 73.8377, 0.2978,
0.5405


■ 71.5756, 0.2988,
0.5958


■ 75.5747, 0.2988,
0.5096

■ 77.9059, 0.3005,
0.4761

■ 80.8787, 0.3027,
0.4422

 84.5357, 0.3052,
0.4097

 88.9159, 0.3077,
0.3797

 94.0554, 0.3103,
0.3528

99.9878, 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.



72.6412, 0.4077, 0.5441



72.6412, 0.2975, 0.5662



72.6412, 0.1963, 0.4602

Triad

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



72.6412, 0.2975, 0.5662



72.6412, 0.1333, 0.1622



72.6412, 0.5265, 0.3002

Complementary

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



72.6412, 0.2975, 0.5662



29.7900, 0.3380, 0.1741

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.



72.6412, 0.4147, 0.2320



72.6412, 0.2975, 0.5662



72.6412, 0.1860, 0.1570

Square

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



72.6412, 0.2975, 0.5662



72.6412, 0.1163, 0.2052



72.6412, 0.2826, 0.1813



72.6412, 0.5552, 0.3760

Rectangle

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



72.6412, 0.2975, 0.5662



72.6412, 0.1495, 0.3533



72.6412, 0.2826, 0.1813



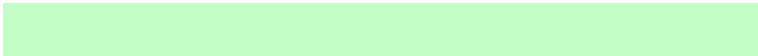
72.6412, 0.4964, 0.2763

Sweetspot

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



72.6406, 0.2975, 0.5662



87.0832, 0.3067, 0.3913



89.9350, 0.4017, 0.5045



18.3097, 0.3058, 0.4021



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.



72.6406, 0.2975, 0.5662



71.6833, 0.2985, 0.5923



75.1240, 0.2615, 0.4427



20.1929, 0.3104, 0.3515



37.4083, 0.2985, 0.5946



3.6504, 0.2953, 0.5832

Inverse Universe

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



29.7900, 0.3380, 0.1741



27.4492, 0.3426, 0.1671



25.4001, 0.4783, 0.2592



18.2725, 0.3151, 0.3075



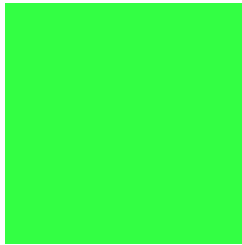
14.2124, 0.3432, 0.1664



1.3913, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 72.6412, 0.2975, 0.5662 looks on a white background.

Color Contrast Check

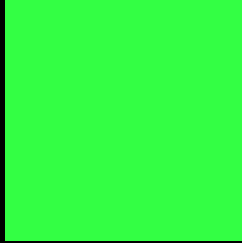
Large Text (above 18pt) WCAG AA × Fail

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 72.6412, 0.2975, 0.5662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

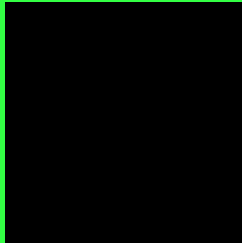
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6412, 0.2975, 0.5662

Background



This preview shows how black text looks on a background with the Yxy color 72.6412, 0.2975, 0.5662.

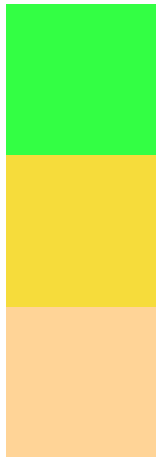


This preview shows how white text looks on a background with the Yxy color 72.6412, 0.2975, 0.5662.

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

72.6412, 0.2975, 0.5662

Protanopia

71.0950, 0.4294, 0.4741

Deuteranopia

70.5813, 0.3906, 0.3918



Tritanopia

72.0735, 0.2418, 0.3077

Trichromacy



Original Color

72.6412, 0.2975, 0.5662



Protanomaly

67.7396, 0.3653, 0.5189



Deuteranomaly

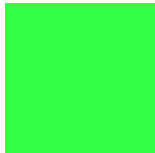
66.6910, 0.3459, 0.4591



Tritanomaly

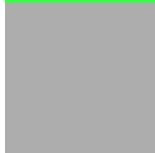
70.8306, 0.2638, 0.4040

Monochromacy



Original Color

72.6412, 0.2975, 0.5662



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.1283, 0.3038, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6412, 0.2975, 0.5662 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 68) }
```

Border

The CSS property to change the border of an element to Yxy 72.6412, 0.2975, 0.5662 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, 68) }
```

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

```
.border{ border-color:rgb(51, 255, 68) }
```

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, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 68);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6412, 0.2975, 0.5662 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, 68) }
```

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

```
.background{ background-color: rgb(51, 255,  
68) }
```

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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