

Converting Colors

$Y_{xy}(72.4442, 0.2887, 0.5512)$

Have a look what the booklet for
Yxy(72.4442, 0.2887, 0.5512)
contains.

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Color

Yxy(72.4411, 0.2887, 0.5514)

Conversions

Conversions Part 1

Format	Color
Hex	1BFF57
RGB	27, 255, 87
RGB Percent	11%, 100%, 34%
CMY	0.8951, 0.0000, 0.6587
CMYK	0.90, 0.00, 0.66, 0.00
HSL	136°, 100%, 55%
HSV	136°, 90%, 100%
XYZ	37.9284, 72.4411, 21.0071
YIQ	167.6760, -81.9600, -100.5840

Conversions

Conversions Part 2

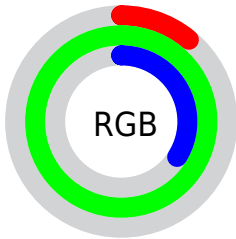
Format	Color
RYB	27, 208, 255
Decimal	1834839
CIELab	88.18, -80.94, 64.05
CIELCh	88, 103.222, 141.643
Yxy	72.4411, 0.2887, 0.5514
Android (android.graphics.Color)	4280024919 (0xFF1BFF57)
YUV	167.6760, -39.7733, -123.3729
Hunter-Lab	85.1123, -69.4020, 44.9449

Details

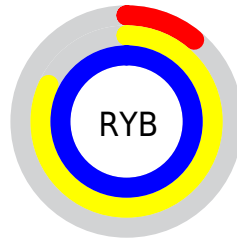
The Yxy color **72.4411, 0.2887, 0.5514** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **25.9600, 0.3922, 0.1979**, and the grayscale version is **39.1832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6407, 0.2958, 0.4712**, and **39.5378, 0.2978, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **71.9488, 0.2917, 0.5700**, and if you desaturate by 10%, it is **73.2933, 0.2868, 0.5284**.

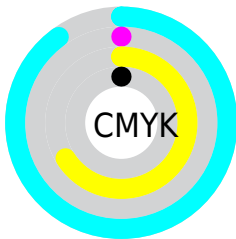
Distribution



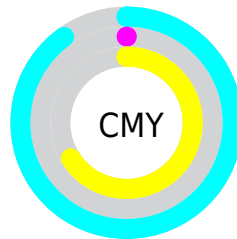
- Red (11%)
- Green (100%)
- Blue (34%)



- Red (11%)
- Yellow (82%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4411, 0.2887, 0.5514 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 72.4411, 0.2887, 0.5514 by changing the saturation by 10% instead.


 72.4411, 0.2887,
0.5514


 72.4411, 0.2887,
0.5514


469.0755, 0.3077,
0.4393

 53.5191, 0.2820,
0.5782


 122.6835, 0.2971,
0.5113


 38.2173, 0.2725,
0.6114


 154.7726, 0.2999,
0.4959

 26.1514, 0.2586,
0.6530

 192.0195, 0.3020,
0.4829

 16.9369, 0.2373,
0.7053

 234.8087, 0.3037,
0.4717

 10.1895, 0.2076,
0.7829

283.5245, 0.3050,
0.4620

 5.5248, 0.1530,
0.8470

338.5513, 0.3061,

 2.5584, 0.0000,

0.4535

1.0000

400.2735, 0.3070,
0.4460

■ 0.9058, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.4411, 0.2887,
0.5514

■ 72.4411, 0.2887,
0.5514

■ 71.9488, 0.2917,
0.5700

■ 73.2933, 0.2868,
0.5284

■ 71.9295, 0.2919,
0.5708


■ 74.5990, 0.2864,
0.5021


■ 76.4119, 0.2876,
0.4740

■ 78.7800, 0.2902,
0.4455

 81.7455, 0.2938,
0.4179

 85.3466, 0.2981,
0.3920

 89.6178, 0.3029,
0.3683

 94.5917, 0.3079,
0.3470

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.



72.4411, 0.3963, 0.5439



72.4411, 0.2887, 0.5514



72.4411, 0.1925, 0.4393

Triad

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



72.4411, 0.2887, 0.5514



72.4411, 0.1416, 0.1650



72.4411, 0.5257, 0.3094

Complementary

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



72.4411, 0.2887, 0.5514



25.9600, 0.3922, 0.1979

Split Complementary

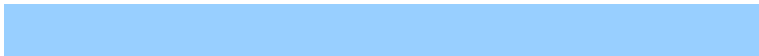
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4411, 0.4243, 0.2414



72.4411, 0.2887, 0.5514



72.4411, 0.1974, 0.1627

Square

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



72.4411, 0.2887, 0.5514



72.4411, 0.1217, 0.2031



72.4411, 0.2959, 0.1894



72.4411, 0.5457, 0.3848

Rectangle

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



72.4411, 0.2887, 0.5514



72.4411, 0.1496, 0.3384



72.4411, 0.2959, 0.1894



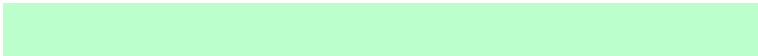
72.4411, 0.4994, 0.2857

Sweetspot

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



72.4384, 0.2887, 0.5514



86.3536, 0.2993, 0.3858



83.5954, 0.3776, 0.5329



18.1920, 0.2977, 0.3943



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.



72.4384, 0.2887, 0.5514



71.9295, 0.2919, 0.5708



75.8241, 0.2470, 0.4038



20.2469, 0.3079, 0.3470



37.6055, 0.2911, 0.5681



3.6786, 0.2852, 0.5466

Inverse Universe

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



25.9600, 0.3922, 0.1979



24.8758, 0.4032, 0.1995



22.6698, 0.5662, 0.2970



18.2136, 0.3179, 0.3117



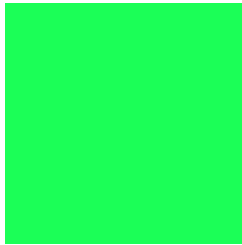
13.0241, 0.4016, 0.1986



1.2862, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 72.4411, 0.2887, 0.5514 looks on a white background.

Color Contrast Check

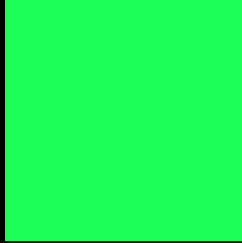
Large Text (above 18pt) WCAG AA × Fail

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 72.4411, 0.2887, 0.5514 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 72.4411, 0.2887, 0.5514

Background



This preview shows how black text looks on a background with the Yxy color 72.4411, 0.2887, 0.5514.

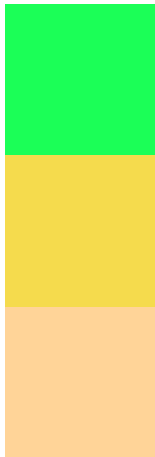


This preview shows how white text looks on a background with the Yxy color 72.4411, 0.2887, 0.5514.

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

72.4411, 0.2887, 0.5514

Protanopia

70.6113, 0.4227, 0.4639

Deuteranopia

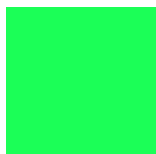
70.6140, 0.3899, 0.3908



Tritanopia

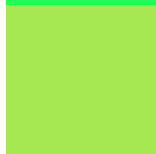
71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.4411, 0.2887, 0.5514



Protanomaly

66.4143, 0.3526, 0.5083



Deuteranomaly

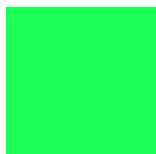
65.8160, 0.3355, 0.4538



Tritanomaly

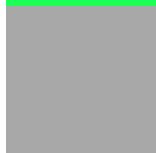
70.5277, 0.2566, 0.3949

Monochromacy



Original Color

72.4411, 0.2887, 0.5514



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.9545, 0.2932, 0.4216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4411, 0.2887, 0.5514 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(27, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(27, 255, 87)  
}
```

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(27, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 72.4411, 0.2887, 0.5514 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(27, 255, 87) }
```

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

```
.border{ border-color:rgb(27, 255, 87) }
```

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

Here you see how a box with a 4 pixel rgb(27, 255, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(27, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4411, 0.2887, 0.5514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 255, 87) }
```

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

```
.background{ background-color: rgb(27, 255,  
87) }
```

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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