

Converting Colors

$Y_{xy}(72.8539, 0.2868, 0.5379)$

Have a look what the booklet for
Yxy(72.8539, 0.2868, 0.5379)
contains.

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Color

Yxy(72.8522, 0.2867, 0.5376)

Conversions

Conversions Part 1

Format	Color
Hex	27FF63
RGB	39, 255, 99
RGB Percent	15%, 100%, 39%
CMY	0.8464, 0.0000, 0.6119
CMYK	0.85, 0.00, 0.61, 0.00
HSL	137°, 100%, 58%
HSV	137°, 85%, 100%
XYZ	38.8518, 72.8522, 23.8098
YIQ	172.6320, -78.6600, -94.3080

Conversions

Conversions Part 2

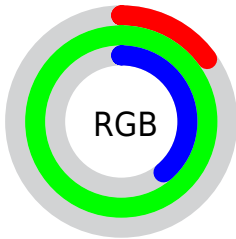
Format	Color
R_{YB}	39, 208, 255
Decimal	2621283
CIE _{Lab}	88.38, -78.83, 59.47
CIE _{LCh}	88, 98.743, 142.969
Yxy	72.8522, 0.2867, 0.5376
Android (android.graphics.Color)	4280811363 (0xFF27FF63)
YUV	172.6320, -36.3006, -117.1953
Hunter-Lab	85.3535, -68.1178, 43.2082

Details

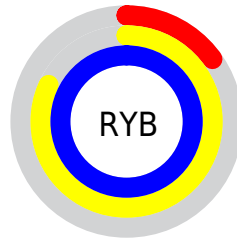
The Yxy color **72.8522, 0.2867, 0.5376** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **26.6698, 0.3908, 0.2010**, and the grayscale version is **41.8332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2887, 0.2927, 0.4564**, and **40.0997, 0.2940, 0.5783** is the 20% darker color. If you saturate the color by 10%, you get **72.1978, 0.2894, 0.5585**, and if you desaturate by 10%, it is **73.9260, 0.2855, 0.5129**.

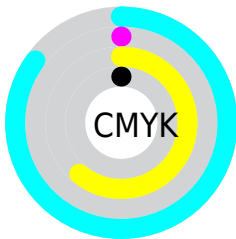
Distribution



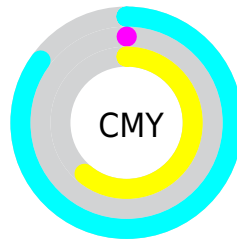
- Red (15%)
- Green (100%)
- Blue (39%)



- Red (15%)
- Yellow (82%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8522, 0.2867, 0.5376 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 72.8522, 0.2867, 0.5376 by changing the saturation by 10% instead.


 72.8522, 0.2867,
0.5376


 72.8522, 0.2867,
0.5376


470.5024, 0.3056,
0.4324

 53.8551, 0.2804,
0.5630


 123.2674, 0.2948,
0.4998

 38.4858, 0.2716,
0.5946

 155.4542, 0.2975,
0.4854

 26.3600, 0.2587,
0.6347


 192.8065, 0.2996,
0.4732

 17.0931, 0.2393,
0.6860

 235.7085, 0.3013,
0.4627

 10.3009, 0.2100,
0.7557

284.5448, 0.3027,
0.4536

 5.5989, 0.1619,
0.8381


339.6995, 0.3038,

 2.6028, 0.0036,


0.4457


0.9964


401.5573, 0.3048,
0.4386


 0.9281, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 72.8522, 0.2867,
0.5376


 72.8522, 0.2867,
0.5376


 72.1978, 0.2894,
0.5585


 73.9260, 0.2855,
0.5129

 71.9706, 0.2911,
0.5680


 75.4744, 0.2859,
0.4858


 77.5516, 0.2879,
0.4578

 80.2020, 0.2911,
0.4301

 83.4657, 0.2952,
0.4037

 87.3786, 0.3000,
0.3792

 91.9741, 0.3051,
0.3571

 97.2831, 0.3103,
0.3374

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.



72.8522, 0.3910, 0.5381



72.8522, 0.2867, 0.5376



72.8522, 0.1945, 0.4276

Triad

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



72.8522, 0.2867, 0.5376



72.8522, 0.1488, 0.1698



72.8522, 0.5193, 0.3145

Complementary

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



72.8522, 0.2867, 0.5376



26.6698, 0.3908, 0.2010

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.



72.8522, 0.4249, 0.2475



72.8522, 0.2867, 0.5376



72.8522, 0.2051, 0.1687

Square

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



72.8522, 0.2867, 0.5376



72.8522, 0.1278, 0.2058



72.8522, 0.3021, 0.1958



72.8522, 0.5362, 0.3887

Rectangle

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



72.8522, 0.2867, 0.5376



72.8522, 0.1537, 0.3328



72.8522, 0.3021, 0.1958



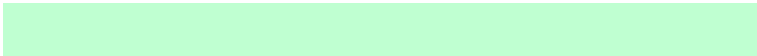
72.8522, 0.4950, 0.2912

Sweetspot

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



72.8547, 0.2867, 0.5376



87.2281, 0.2998, 0.3801



83.5975, 0.3756, 0.5297



18.3617, 0.2981, 0.3884



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.



72.8547, 0.2867, 0.5376



71.9706, 0.2911, 0.5680



76.3446, 0.2457, 0.3942



20.2509, 0.3078, 0.3467



37.6278, 0.2903, 0.5653



3.6812, 0.2843, 0.5434

Inverse Universe

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



26.6698, 0.3908, 0.2010



24.7348, 0.4081, 0.2022



23.4513, 0.5542, 0.2967



18.2094, 0.3181, 0.3120



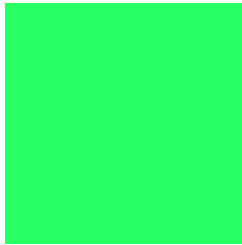
12.9511, 0.4063, 0.2012



1.2795, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 72.8522, 0.2867, 0.5376 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 72.8522, 0.2867, 0.5376 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 72.8522, 0.2867, 0.5376

Background



This preview shows how black text looks on a background with the Yxy color 72.8522, 0.2867, 0.5376.

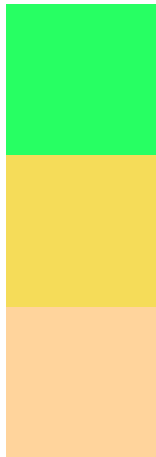


This preview shows how white text looks on a background with the Yxy color 72.8522, 0.2867, 0.5376.

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

72.8522, 0.2867, 0.5376

Protanopia

71.3201, 0.4166, 0.4567

Deuteranopia

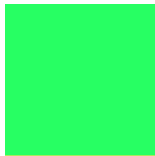
70.7473, 0.3870, 0.3868



Tritanopia

71.9993, 0.2414, 0.3077

Trichromacy



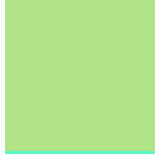
Original Color

72.8522, 0.2867, 0.5376



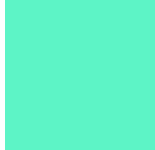
Protanomaly

67.6142, 0.3502, 0.4964



Deuteranomaly

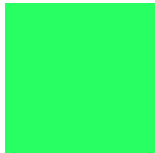
66.5832, 0.3351, 0.4440



Tritanomaly

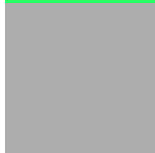
71.1057, 0.2574, 0.3889

Monochromacy



Original Color

72.8522, 0.2867, 0.5376



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.0723, 0.2935, 0.4132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8522, 0.2867, 0.5376 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(39, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(39, 255, 99)  
}
```

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(39, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 72.8522, 0.2867, 0.5376 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(39, 255, 99) }
```

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

```
.border{ border-color:rgb(39, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(39, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8522, 0.2867, 0.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 255, 99) }
```

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

```
.background{ background-color: rgb(39, 255,  
99) }
```

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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