

Converting Colors

$Y_{xy}(71.5184, 0.2792, 0.5088)$

Have a look what the booklet for
Yxy(71.5184, 0.2792, 0.5088)
contains.

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Color

Yxy(71.5149, 0.2792, 0.5087)

Conversions

Conversions Part 1

Format	Color
Hex	2BFC79
RGB	43, 252, 121
RGB Percent	17%, 99%, 47%
CMY	0.8321, 0.0117, 0.5256
CMYK	0.83, 0.00, 0.52, 0.01
HSL	142°, 97%, 58%
HSV	142°, 83%, 99%
XYZ	39.2510, 71.5149, 29.8178
YIQ	174.5750, -82.5130, -85.0490

Conversions

Conversions Part 2

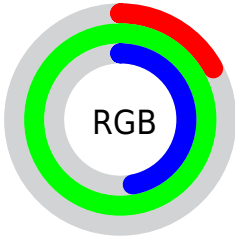
Format	Color
RYB	43, 195, 252
Decimal	2882681
CIELab	87.73, -74.79, 48.97
CIELCh	88, 89.399, 146.782
Yxy	71.5149, 0.2792, 0.5087
Android (android.graphics.Color)	4281072761 (0xFF2BFC79)
YUV	174.5750, -26.4125, -115.3913
Hunter-Lab	84.5665, -65.1418, 38.2911

Details

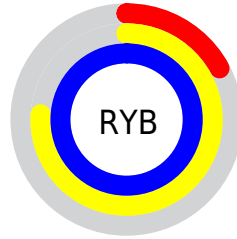
The Yxy color **71.5149, 0.2792, 0.5087** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **25.4616, 0.4178, 0.2187**, and the grayscale version is **42.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0902, 0.2823, 0.4278**, and **39.0009, 0.2854, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **70.7771, 0.2818, 0.5302**, and if you desaturate by 10%, it is **72.6571, 0.2784, 0.4852**.

Distribution



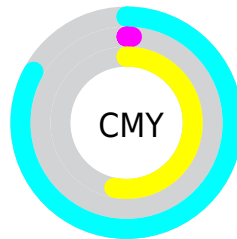
- Red (17%)
- Green (99%)
- Blue (47%)



- Red (17%)
- Yellow (76%)
- Blue (99%)



- Cyan (83%)
- Magenta (0%)
- Yellow (52%)
- Black (1%)





- Cyan (83%)
- Magenta (1%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5149, 0.2792, 0.5087 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 71.5149, 0.2792, 0.5087 by changing the saturation by 10% instead.


 71.5149, 0.2792,
0.5087

 71.5149, 0.2792,
0.5087


465.8514, 0.2996,
0.4177

 52.7625, 0.2731,
0.5311

 121.3666, 0.2874,
0.4757

 37.6132, 0.2649,
0.5594


 153.2347, 0.2902,
0.4633

 25.6826, 0.2533,
0.5960


 190.2434, 0.2926,
0.4528

 16.5864, 0.2361,
0.6444

 232.7773, 0.2945,
0.4437

 9.9400, 0.2094,
0.7097

281.2206, 0.2961,
0.4359

 5.3592, 0.1726,
0.8274


335.9578, 0.2974,


 2.4595, 0.0161,


0.4291


0.9839


397.3733, 0.2986,
0.4231


 0.8563, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.5149, 0.2792,
0.5087

 71.5149, 0.2792,
0.5087


 70.7771, 0.2818,
0.5302


 72.6571, 0.2784,
0.4852


 70.4394, 0.2844,
0.5437


 74.2517, 0.2795,
0.4606

 76.3487, 0.2823,
0.4360


 78.9889, 0.2865,
0.4121

 82.2089, 0.2918,
0.3897

 86.0420, 0.2977,
0.3690

 90.5189, 0.3041,
0.3503

 95.6683, 0.3107,
0.3336

 98.1082, 0.3128,
0.3262

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5149, 0.3767, 0.5261



71.5149, 0.2792, 0.5087



71.5149, 0.1959, 0.4021

Triad

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



71.5149, 0.2792, 0.5087



71.5149, 0.1645, 0.1790



71.5149, 0.5080, 0.3266

Complementary

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



71.5149, 0.2792, 0.5087



25.4616, 0.4178, 0.2187

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.



71.5149, 0.4291, 0.2615



71.5149, 0.2792, 0.5087



71.5149, 0.2229, 0.1810

Square

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



71.5149, 0.2792, 0.5087



71.5149, 0.1405, 0.2093



71.5149, 0.3174, 0.2100



71.5149, 0.5167, 0.3980

Rectangle

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



71.5149, 0.2792, 0.5087



71.5149, 0.1603, 0.3191



71.5149, 0.3174, 0.2100



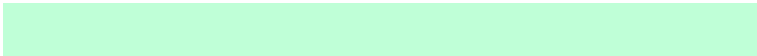
71.5149, 0.4886, 0.3040

Sweetspot

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



71.5178, 0.2792, 0.5087



87.5388, 0.2965, 0.3730



78.9506, 0.3613, 0.5383



18.4347, 0.2944, 0.3802



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.



71.5178, 0.2792, 0.5087



72.3514, 0.2844, 0.5438



75.5260, 0.2376, 0.3642



19.4165, 0.3064, 0.3442



36.7149, 0.2835, 0.5406



3.4202, 0.2768, 0.5166

Inverse Universe

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



25.4616, 0.4178, 0.2187



23.7881, 0.4463, 0.2232



22.8630, 0.5764, 0.3128



17.4081, 0.3196, 0.3142



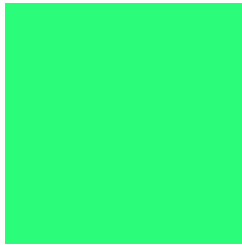
12.0930, 0.4436, 0.2217



1.1405, 0.4249, 0.2115

Previews

White Background



This preview shows how the Yxy color 71.5149, 0.2792, 0.5087 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 71.5149, 0.2792, 0.5087 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 71.5149, 0.2792, 0.5087

Background



This preview shows how black text looks on a background with the Yxy color 71.5149, 0.2792, 0.5087.

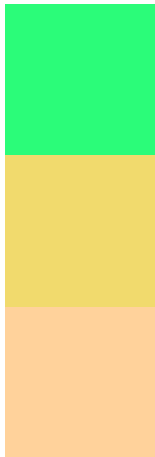


This preview shows how white text looks on a background with the Yxy color 71.5149, 0.2792, 0.5087.

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

71.5149, 0.2792, 0.5087

Protanopia

69.9477, 0.4041, 0.4409

Deuteranopia

69.7197, 0.3885, 0.3859



Tritanopia

71.2331, 0.2374, 0.3074

Trichromacy



Original Color

71.5149, 0.2792, 0.5087



Protanomaly

66.2209, 0.3409, 0.4738



Deuteranomaly

65.2986, 0.3317, 0.4311



Tritanomaly

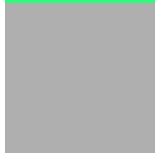
69.9867, 0.2514, 0.3758

Monochromacy



Original Color

71.5149, 0.2792, 0.5087



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.5905, 0.2898, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5149, 0.2792, 0.5087 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(43, 252, 121)` looks like.

```
.text, #text, p{  
    color:rgb(43, 252, 121)  
}
```

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(43, 252, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 252, 121) }
```

Border

The CSS property to change the border of an element to Yxy 71.5149, 0.2792, 0.5087 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(43, 252, 121) }
```

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

```
.border{ border-color:rgb(43, 252, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 252, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 252, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 252, 121);  
box-shadow:4px 4px 4px 4px rgb(43, 252,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5149, 0.2792, 0.5087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 252, 121) }
```

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

```
.background{ background-color: rgb(43, 252,  
121) }
```

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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