

Converting Colors

Yxy(71.8549, 0.2993, 0.4943)

Have a look what the booklet for
Yxy(71.8549, 0.2993, 0.4943)
contains.

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Color

Yxy(71.8549, 0.2993, 0.4943)

Conversions

Conversions Part 1

Format	Color
Hex	6EF87A
RGB	110, 248, 122
RGB Percent	43%, 97%, 48%
CMY	0.5688, 0.0274, 0.5214
CMYK	0.56, 0.00, 0.51, 0.03
HSL	125°, 91%, 70%
HSV	125°, 56%, 97%
XYZ	43.5083, 71.8549, 30.0037
YIQ	192.3740, -41.8020, -68.4420

Conversions

Conversions Part 2

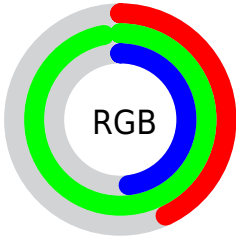
Format	Color
R _{YB}	110, 237, 248
Decimal	7272570
CIE Lab	87.90, -62.50, 48.99
CIE LCh	88, 79.408, 141.908
Yxy	71.8549, 0.2993, 0.4943
Android (android.graphics.Color)	4285462650 (0xFF6EF87A)
YUV	192.3740, -34.6944, -72.2420
Hunter-Lab	84.7673, -56.7244, 38.3511

Details

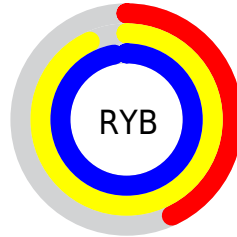
The Yxy color **71.8549, 0.2993, 0.4943** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.1501, 0.3303, 0.2065**, and the grayscale version is **53.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3523, 0.3050, 0.4203**, and **37.6499, 0.2904, 0.5399** is the 20% darker color. If you saturate the color by 10%, you get **69.9869, 0.2979, 0.5265**, and if you desaturate by 10%, it is **74.3044, 0.3013, 0.4605**.

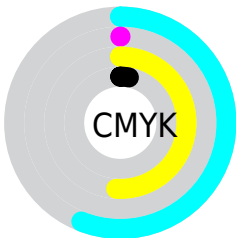
Distribution



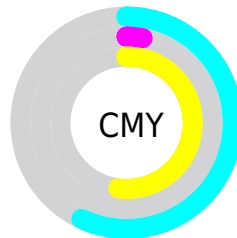
- Red (43%)
- Green (97%)
- Blue (48%)



- Red (43%)
- Yellow (93%)
- Blue (97%)



- Cyan (56%)
- Magenta (0%)
- Yellow (51%)
- Black (3%)





- Cyan (57%)
- Magenta (3%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8549, 0.2993, 0.4943 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 71.8549, 0.2993, 0.4943 by changing the saturation by 10% instead.


 71.8549, 0.2993,
0.4943


 71.8549, 0.2993,
0.4943

467.0364, 0.3098,
0.4116


 53.0402, 0.2956,
0.5144

 121.8502, 0.3039,
0.4645

 37.8348, 0.2903,
0.5397


 153.7996, 0.3055,
0.4532

 25.8545, 0.2825,
0.5722

 190.8959, 0.3066,
0.4437

 16.7148, 0.2702,
0.6151

233.5237, 0.3076,
0.4354

 10.0314, 0.2498,
0.6728

282.0672, 0.3083,
0.4283

 5.4198, 0.2221,
0.7779


336.9109, 0.3089,


 2.4956, 0.1254,


0.4220


0.8746


398.4392, 0.3094,
0.4165


 0.8744, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.8549, 0.2993,
0.4943

 71.8549, 0.2993,
0.4943


 69.9869, 0.2979,
0.5265


 74.3044, 0.3013,
0.4605


 68.6442, 0.2973,
0.5548


 77.3685, 0.3036,
0.4272


 67.7746, 0.2975,
0.5769

 81.0884, 0.3062,
0.3959

 67.3109, 0.2984,
0.5915

 85.4992, 0.3088,
0.3674

 67.1966, 0.2987,
0.5955

 90.6334, 0.3113,
0.3420

 95.6196, 0.3130,
0.3223

Harmonies

Analogous

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



71.8549, 0.3877, 0.5009



71.8549, 0.2993, 0.4943



71.8549, 0.2192, 0.4115

Triad

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



71.8549, 0.2993, 0.4943



71.8549, 0.1719, 0.1951



71.8549, 0.4789, 0.3191

Complementary

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



71.8549, 0.2993, 0.4943



37.1501, 0.3303, 0.2065

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.



71.8549, 0.4011, 0.2598



71.8549, 0.2993, 0.4943



71.8549, 0.2210, 0.1919

Square

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



71.8549, 0.2993, 0.4943



71.8549, 0.1546, 0.2302



71.8549, 0.3021, 0.2148



71.8549, 0.4995, 0.3849

Rectangle

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



71.8549, 0.2993, 0.4943



71.8549, 0.1818, 0.3387



71.8549, 0.3021, 0.2148



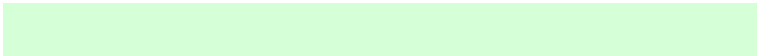
71.8549, 0.4582, 0.2983

Sweetspot

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



71.8579, 0.2993, 0.4943



90.3945, 0.3084, 0.3711



86.1835, 0.3847, 0.4660



19.1373, 0.3079, 0.3766



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.



71.8579, 0.2993, 0.4943



74.3150, 0.2978, 0.5309



74.1904, 0.2678, 0.4027



19.3339, 0.3104, 0.3513



36.3053, 0.2984, 0.5943



3.3706, 0.2949, 0.5817

Inverse Universe

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



37.1501, 0.3303, 0.2065



33.9168, 0.3344, 0.1885



33.9068, 0.4077, 0.2694



17.4968, 0.3151, 0.3076



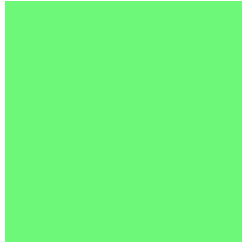
13.7653, 0.3443, 0.1670



1.2824, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 71.8549, 0.2993, 0.4943 looks on a white background.

Color Contrast Check

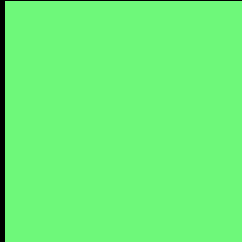
Large Text (above 18pt) WCAG AA × Fail

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 71.8549, 0.2993, 0.4943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

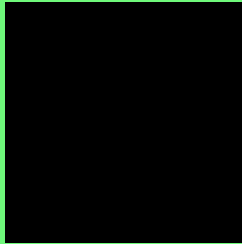
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8549, 0.2993, 0.4943

Background



This preview shows how black text looks on a background with the Yxy color 71.8549, 0.2993, 0.4943.

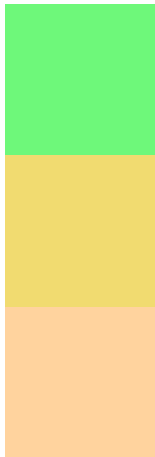


This preview shows how white text looks on a background with the Yxy color 71.8549, 0.2993, 0.4943.

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

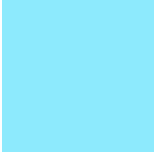
71.8549, 0.2993, 0.4943

Protanopia

70.5337, 0.4018, 0.4392

Deuteranopia

70.3172, 0.3859, 0.3838



Tritanopia

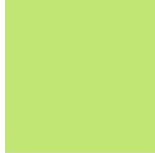
71.6002, 0.2491, 0.3067

Trichromacy



Original Color

71.8549, 0.2993, 0.4943



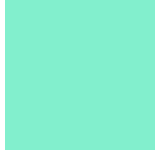
Protanomaly

69.1920, 0.3570, 0.4622



Deuteranomaly

67.9122, 0.3486, 0.4219



Tritanomaly

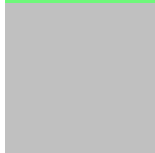
70.8866, 0.2679, 0.3717

Monochromacy



Original Color

71.8549, 0.2993, 0.4943



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

57.5584, 0.3064, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8549, 0.2993, 0.4943 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(110, 248, 122)` looks like.

```
.text, #text, p{  
    color:rgb(110, 248, 122)  
}
```

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(110, 248, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 248, 122) }
```

Border

The CSS property to change the border of an element to Yxy 71.8549, 0.2993, 0.4943 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(110, 248, 122) }
```

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

```
.border{ border-color:rgb(110, 248, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 248, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 248, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 248, 122);  
box-shadow:4px 4px 4px 4px rgb(110, 248,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8549, 0.2993, 0.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 248, 122) }
```

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

```
.background{ background-color: rgb(110,  
248, 122) }
```

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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