

Converting Colors

$Yxy(68.9051, 0.2704, 0.4801)$

Have a look what the booklet for
Yxy(68.9051, 0.2704, 0.4801)
contains.

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Color

Yxy(68.8169, 0.2706, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	27F78B
RGB	39, 247, 139
RGB Percent	15%, 97%, 55%
CMY	0.8463, 0.0314, 0.4549
CMYK	0.84, 0.00, 0.44, 0.03
HSL	149°, 93%, 56%
HSV	149°, 84%, 97%
XYZ	38.7632, 68.8169, 35.6690
YIQ	172.4960, -89.3000, -77.6840

Conversions

Conversions Part 2

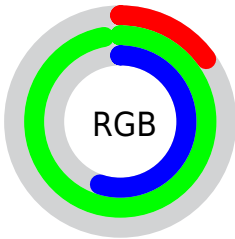
Format	Color
RYB	39, 179, 247
Decimal	2619275
CIELab	86.41, -70.64, 38.70
CIELCh	86, 80.552, 151.283
Yxy	68.8169, 0.2706, 0.4804
Android (android.graphics.Color)	4280809355 (0xFF27F78B)
YUV	172.4960, -16.5135, -117.0760
Hunter-Lab	82.9560, -61.7644, 32.5759

Details

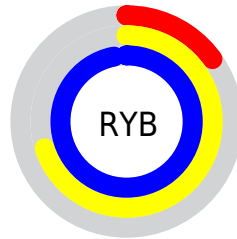
The Yxy color **68.8169, 0.2706, 0.4804** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.3493, 0.4548, 0.2393**, and the grayscale version is **41.6687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6260, 0.2726, 0.4045**, and **37.0833, 0.2762, 0.5141** is the 20% darker color. If you saturate the color by 10%, you get **68.1285, 0.2730, 0.4997**, and if you desaturate by 10%, it is **69.8685, 0.2701, 0.4601**.

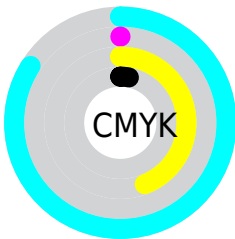
Distribution



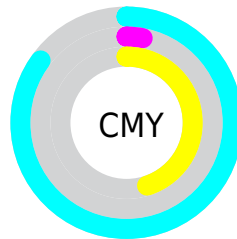
- Red (15%)
- Green (97%)
- Blue (55%)



- Red (15%)
- Yellow (70%)
- Blue (97%)



- Cyan (84%)
- Magenta (0%)
- Yellow (44%)
- Black (3%)





- Cyan (85%)
- Magenta (3%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8169, 0.2706, 0.4804 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 68.8169, 0.2706, 0.4804 by changing the saturation by 10% instead.


 68.8169, 0.2706,
0.4804


 68.8169, 0.2706,
0.4804

456.3849, 0.2936,
0.4035

 50.5626, 0.2644,
0.4996


 117.5200, 0.2794,
0.4524


 35.8606, 0.2561,
0.5241


 148.7376, 0.2825,
0.4419


 24.3266, 0.2448,
0.5562


 185.0451, 0.2852,
0.4330

 15.5761, 0.2286,
0.5999

 226.8269, 0.2874,
0.4254

 9.2247, 0.2041,
0.6614

 274.4674, 0.2893,
0.4188

 4.8880, 0.1667,
0.7591


328.3510, 0.2910,

 2.1817, 0.0011,


0.4131


0.9989


388.8620, 0.2924,
0.4080

 0.7100, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.8169, 0.2706,
0.4804


 68.8169, 0.2706,
0.4804


 68.1285, 0.2730,
0.4997


 69.8685, 0.2701,
0.4601

 67.8437, 0.2751,
0.5104


 71.3288, 0.2717,
0.4394


 73.2450, 0.2751,
0.4190


 75.6555, 0.2801,
0.3993

 78.5945, 0.2864,
0.3808

 82.0929, 0.2935,
0.3638

 86.1793, 0.3013,
0.3482

 90.8804, 0.3093,
0.3343

 94.9698, 0.3134,
0.3218

Harmonies

Analogous

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



68.8169, 0.3611, 0.5122



68.8169, 0.2706, 0.4804



68.8169, 0.1966, 0.3785

Triad

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



68.8169, 0.2706, 0.4804



68.8169, 0.1807, 0.1878



68.8169, 0.4973, 0.3388

Complementary

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



68.8169, 0.2706, 0.4804



23.3493, 0.4548, 0.2393

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.



68.8169, 0.4332, 0.2757



68.8169, 0.2706, 0.4804



68.8169, 0.2412, 0.1934

Square

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



68.8169, 0.2706, 0.4804



68.8169, 0.1532, 0.2123



68.8169, 0.3329, 0.2244



68.8169, 0.4975, 0.4068

Rectangle

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



68.8169, 0.2706, 0.4804



68.8169, 0.1663, 0.3060



68.8169, 0.3329, 0.2244



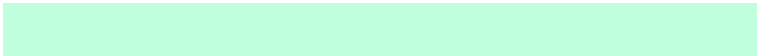
68.8169, 0.4825, 0.3170

Sweetspot

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



68.8197, 0.2706, 0.4804



87.8959, 0.2929, 0.3653



73.1539, 0.3475, 0.5501



18.5192, 0.2903, 0.3711



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.



68.8197, 0.2706, 0.4804



72.9373, 0.2752, 0.5107



73.2508, 0.2296, 0.3374



18.6046, 0.3050, 0.3416



35.9094, 0.2743, 0.5074



3.1767, 0.2678, 0.4839

Inverse Universe

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



23.3493, 0.4548, 0.2393



22.9399, 0.4916, 0.2482



21.4354, 0.6028, 0.3264



16.6264, 0.3212, 0.3168



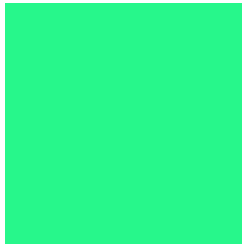
11.3160, 0.4877, 0.2460



1.0153, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 68.8169, 0.2706, 0.4804 looks on a white background.

Color Contrast Check

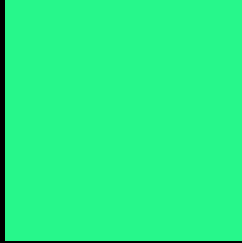
Large Text (above 18pt) WCAG AA × Fail

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 68.8169, 0.2706, 0.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

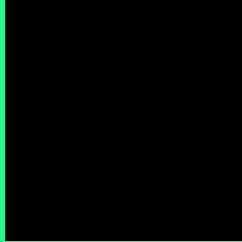
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8169, 0.2706, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 68.8169, 0.2706, 0.4804.

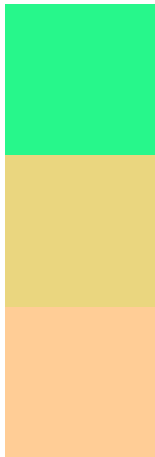


This preview shows how white text looks on a background with the Yxy color 68.8169, 0.2706, 0.4804.

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

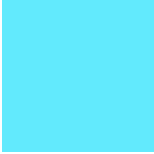
68.8169, 0.2706, 0.4804

Protanopia

67.1179, 0.3895, 0.4229

Deuteranopia

67.1247, 0.3944, 0.3860



Tritanopia

68.5342, 0.2329, 0.3058

Trichromacy



Original Color

68.8169, 0.2706, 0.4804



Protanomaly

63.8179, 0.3278, 0.4508



Deuteranomaly

62.6088, 0.3300, 0.4224



Tritanomaly

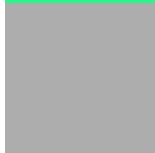
68.0643, 0.2451, 0.3642

Monochromacy



Original Color

68.8169, 0.2706, 0.4804



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

48.1668, 0.2838, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8169, 0.2706, 0.4804 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, 247, 139)` looks like.

```
.text, #text, p{  
    color:rgb(39, 247, 139)  
}
```

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, 247, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 247, 139) }
```

Border

The CSS property to change the border of an element to Yxy 68.8169, 0.2706, 0.4804 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, 247, 139) }
```

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

```
.border{ border-color:rgb(39, 247, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 247, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 247, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 247, 139);  
box-shadow:4px 4px 4px 4px rgb(39, 247,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8169, 0.2706, 0.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 247, 139) }
```

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

```
.background{ background-color: rgb(39, 247,  
139) }
```

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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