

Converting Colors

Yxy(68.8824, 0.2686, 0.4632)

Have a look what the booklet for
Yxy(68.8824, 0.2686, 0.4632)
contains.

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Color

Yxy(68.8978, 0.2685, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	36F696
RGB	54, 246, 150
RGB Percent	21%, 96%, 59%
CMY	0.7876, 0.0353, 0.4117
CMYK	0.78, 0.00, 0.39, 0.04
HSL	150°, 91%, 59%
HSV	150°, 78%, 96%
XYZ	39.9893, 68.8978, 40.0489
YIQ	177.6480, -83.6160, -70.5600

Conversions

Conversions Part 2

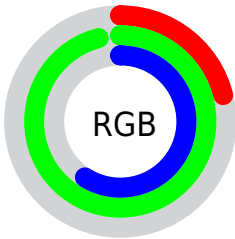
Format	Color
RYB	54, 182, 246
Decimal	3602070
CIELab	86.45, -66.95, 33.35
CIELCh	86, 74.793, 153.523
Yxy	68.8978, 0.2685, 0.4626
Android (android.graphics.Color)	4281792150 (0xFF36F696)
YUV	177.6480, -13.6305, -108.4393
Hunter-Lab	83.0047, -59.2620, 29.4965

Details

The Yxy color **68.8978, 0.2685, 0.4626** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.4535, 0.4459, 0.2431**, and the grayscale version is **44.4592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6736, 0.2704, 0.3897**, and **36.8483, 0.2705, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **68.0052, 0.2696, 0.4820**, and if you desaturate by 10%, it is **70.1817, 0.2694, 0.4427**.

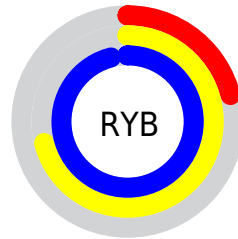
Distribution



Red (21%)

Green (96%)

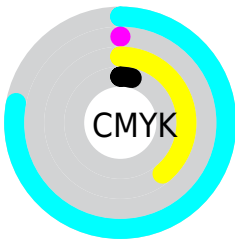
Blue (59%)



Red (21%)

Yellow (71%)

Blue (96%)

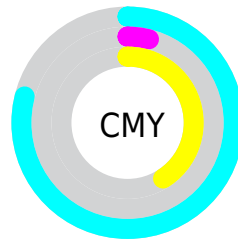


Cyan (78%)

Magenta (0%)

Yellow (39%)

Black (4%)



Cyan (79%)


Magenta (4%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8978, 0.2685, 0.4626 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 68.8978, 0.2685, 0.4626 by changing the saturation by 10% instead.


 68.8978, 0.2685,
0.4626


 68.8978, 0.2685,
0.4626


456.6704, 0.2918,
0.3951


 50.6285, 0.2624,
0.4794


 117.6356, 0.2772,
0.4381


 35.9130, 0.2545,
0.5009


 148.8729, 0.2804,
0.4288

 24.3670, 0.2439,
0.5292


 185.2016, 0.2830,
0.4210

 15.6061, 0.2289,
0.5678

 227.0061, 0.2853,
0.4144

 9.2459, 0.2065,
0.6229

274.6708, 0.2873,
0.4086

 4.9019, 0.1710,
0.7056

328.5802, 0.2890,

 2.1898, 0.0424,


0.4035

0.9576


389.1186, 0.2905,
0.3991


 0.7144, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.8978, 0.2685,
0.4626


 68.8978, 0.2685,
0.4626


 68.0052, 0.2696,
0.4820

 70.1817, 0.2694,
0.4427

 67.4320, 0.2726,
0.5003


 71.8953, 0.2723,
0.4229


 67.3369, 0.2733,
0.5039


 74.0813, 0.2769,
0.4037


 76.7747, 0.2829,
0.3855

 80.0073, 0.2900,
0.3686

 83.8081, 0.2978,
0.3531

 88.2039, 0.3060,
0.3391

 93.2199, 0.3144,
0.3266

 94.3892, 0.3131,
0.3204

Harmonies

Analogous

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



68.8978, 0.3535, 0.4993



68.8978, 0.2685, 0.4626



68.8978, 0.2004, 0.3675

Triad

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



68.8978, 0.2685, 0.4626



68.8978, 0.1917, 0.1955



68.8978, 0.4867, 0.3446

Complementary

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



68.8978, 0.2685, 0.4626



24.4535, 0.4459, 0.2431

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.



68.8978, 0.4308, 0.2837



68.8978, 0.2685, 0.4626



68.8978, 0.2516, 0.2024

Square

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



68.8978, 0.2685, 0.4626



68.8978, 0.1630, 0.2171



68.8978, 0.3391, 0.2336



68.8978, 0.4840, 0.4093

Rectangle

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



68.8978, 0.2685, 0.4626



68.8978, 0.1730, 0.3019



68.8978, 0.3391, 0.2336



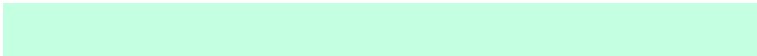
68.8978, 0.4742, 0.3236

Sweetspot

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



68.9006, 0.2685, 0.4626



88.7747, 0.2938, 0.3607



72.9768, 0.3470, 0.5409



18.6911, 0.2910, 0.3664



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.



68.9006, 0.2685, 0.4626



73.3751, 0.2713, 0.4935



73.1571, 0.2303, 0.3327



18.6101, 0.3048, 0.3411



35.9715, 0.2725, 0.5009



3.1823, 0.2661, 0.4780

Inverse Universe

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



24.4535, 0.4459, 0.2431



23.3662, 0.4859, 0.2478



22.5456, 0.5827, 0.3278



16.6208, 0.3215, 0.3172



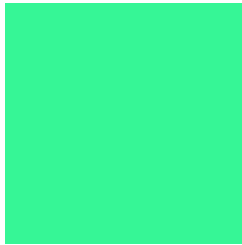
11.2508, 0.4959, 0.2505



1.0096, 0.4680, 0.2352

Previews

White Background



This preview shows how the Yxy color 68.8978, 0.2685, 0.4626 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 68.8978, 0.2685, 0.4626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

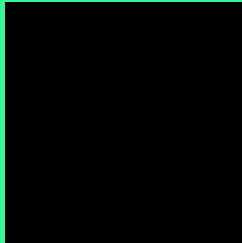
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8978, 0.2685, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 68.8978, 0.2685, 0.4626.

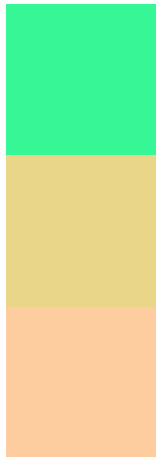


This preview shows how white text looks on a background with the Yxy color 68.8978, 0.2685, 0.4626.

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

68.8978, 0.2685, 0.4626

Protanopia

67.2229, 0.3820, 0.4130

Deuteranopia

67.0485, 0.3859, 0.3772



Tritanopia

68.7042, 0.2338, 0.3058

Trichromacy



Original Color

68.8978, 0.2685, 0.4626



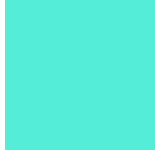
Protanomaly

64.6705, 0.3249, 0.4357



Deuteranomaly

63.4105, 0.3266, 0.4089



Tritanomaly

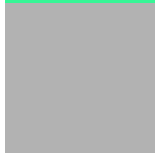
67.9918, 0.2451, 0.3574

Monochromacy



Original Color

68.8978, 0.2685, 0.4626



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.5256, 0.2856, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8978, 0.2685, 0.4626 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(54, 246, 150)` looks like.

```
.text, #text, p{  
    color:rgb(54, 246, 150)  
}
```

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(54, 246, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 246, 150) }
```

Border

The CSS property to change the border of an element to Yxy 68.8978, 0.2685, 0.4626 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(54, 246, 150) }
```

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

```
.border{ border-color:rgb(54, 246, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 246, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 246, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 246, 150);  
box-shadow:4px 4px 4px 4px rgb(54, 246,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8978, 0.2685, 0.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 246, 150) }
```

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

```
.background{ background-color: rgb(54, 246,  
150) }
```

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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