

Converting Colors

$Y_{xy}(70.0064, 0.2587, 0.4370)$

Have a look what the booklet for
Yxy(70.0064, 0.2587, 0.4370)
contains.

Yxy(69.8997, 0.2586, 0.4364)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.8997, 0.2586, 0.4364)

Conversions

Conversions Part 1

Format	Color
Hex	2BF7A9
RGB	43, 247, 169
RGB Percent	17%, 97%, 66%
CMY	0.8312, 0.0314, 0.3372
CMYK	0.83, 0.00, 0.32, 0.03
HSL	157°, 93%, 57%
HSV	157°, 83%, 97%
XYZ	41.4209, 69.8997, 48.8529
YIQ	177.1120, -96.5460, -67.5060

Conversions

Conversions Part 2

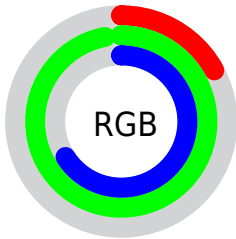
Format	Color
R_{YB}	43, 169, 247
Decimal	2881449
CIE Lab	86.95, -64.66, 24.38
CIE LCh	87, 69.106, 159.337
Yxy	69.8997, 0.2586, 0.4364
Android (android.graphics.Color)	4281071529 (0xFF2BF7A9)
YUV	177.1120, -3.9992, -117.6162
Hunter-Lab	83.6060, -57.8765, 23.8797

Details

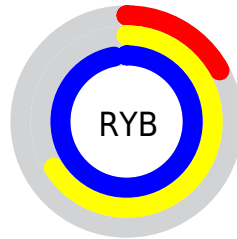
The Yxy color **69.8997, 0.2586, 0.4364** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **22.8869, 0.4972, 0.2667**, and the grayscale version is **44.0969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3162, 0.2592, 0.3646**, and **37.6561, 0.2614, 0.4611** is the 20% darker color. If you saturate the color by 10%, you get **69.1778, 0.2598, 0.4512**, and if you desaturate by 10%, it is **70.9754, 0.2595, 0.4214**.

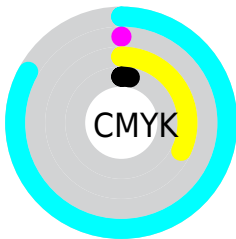
Distribution



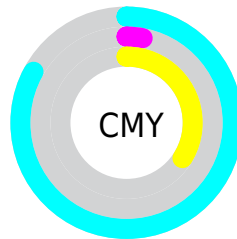
- Red (17%)
- Green (97%)
- Blue (66%)



- Red (17%)
- Yellow (66%)
- Blue (97%)



- Cyan (83%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)



- Cyan (83%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8997, 0.2586, 0.4364 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 69.8997, 0.2586, 0.4364 by changing the saturation by 10% instead.

 69.8997, 0.2586,
0.4364

 69.8997, 0.2586,
0.4364


460.1978, 0.2854,
0.3828


 51.4448, 0.2520,
0.4496


 119.0657, 0.2683,
0.4170


 36.5627, 0.2437,
0.4664


 150.5456, 0.2719,
0.4097

 24.8691, 0.2328,
0.4886


 187.1359, 0.2750,
0.4035

 15.9795, 0.2179,
0.5188

 229.2210, 0.2777,
0.3982

 9.5097, 0.1967,
0.5623

277.1854, 0.2800,
0.3936

 5.0751, 0.1647,
0.6288

331.4134, 0.2820,

 2.2914, 0.0723,

0.3896

0.8085

392.2894, 0.2838,
0.3860

■ 0.7691, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.8997, 0.2586,
0.4364

■ 69.8997, 0.2586,
0.4364

■ 69.1778, 0.2598,
0.4512


■ 70.9754, 0.2595,
0.4214

■ 68.8080, 0.2617,
0.4619


■ 72.4479, 0.2624,
0.4064

■ 74.3621, 0.2673,
0.3918

■ 76.7549, 0.2738,
0.3778

 79.6592, 0.2817,
0.3647

 83.1048, 0.2905,
0.3525

 87.1192, 0.3001,
0.3414

 91.7281, 0.3101,
0.3314

 94.9394, 0.3137,
0.3223

Harmonies

Analogous

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



69.8997, 0.3366, 0.4837



69.8997, 0.2586, 0.4364



69.8997, 0.1997, 0.3467

Triad

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



69.8997, 0.2586, 0.4364



69.8997, 0.2085, 0.2036



69.8997, 0.4771, 0.3569

Complementary

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



69.8997, 0.2586, 0.4364



22.8869, 0.4972, 0.2667

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.



69.8997, 0.4350, 0.2981



69.8997, 0.2586, 0.4364



69.8997, 0.2706, 0.2146

Square

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



69.8997, 0.2586, 0.4364



69.8997, 0.1757, 0.2190



69.8997, 0.3546, 0.2480



69.8997, 0.4658, 0.4174

Rectangle

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



69.8997, 0.2586, 0.4364



69.8997, 0.1777, 0.2897



69.8997, 0.3546, 0.2480



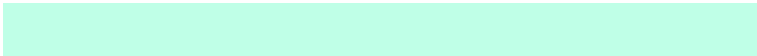
69.8997, 0.4689, 0.3368

Sweetspot

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



69.9025, 0.2586, 0.4364



88.3771, 0.2883, 0.3554



70.7789, 0.3299, 0.5611



18.6339, 0.2851, 0.3597



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.



69.9025, 0.2586, 0.4364



74.0214, 0.2614, 0.4607



60.1162, 0.2194, 0.2982



18.6441, 0.3032, 0.3382



36.4183, 0.2610, 0.4595



3.2208, 0.2559, 0.4413

Inverse Universe

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



22.8869, 0.4972, 0.2667



22.2177, 0.5471, 0.2793



23.9448, 0.5870, 0.3445



16.5874, 0.3233, 0.3200



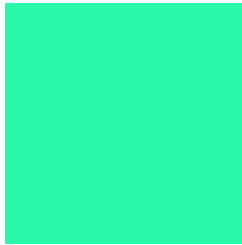
10.9151, 0.5451, 0.2776



0.9787, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 69.8997, 0.2586, 0.4364 looks on a white background.

Color Contrast Check

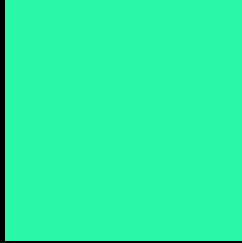
Large Text (above 18pt) WCAG AA × Fail

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 69.8997, 0.2586, 0.4364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

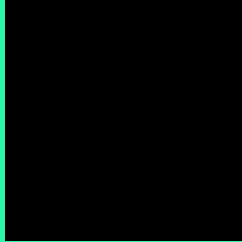
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8997, 0.2586, 0.4364

Background



This preview shows how black text looks on a background with the Yxy color 69.8997, 0.2586, 0.4364.

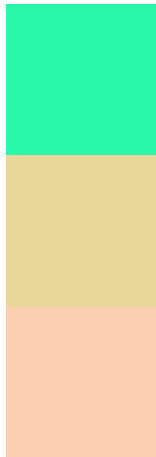


This preview shows how white text looks on a background with the Yxy color 69.8997, 0.2586, 0.4364.

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

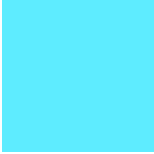
69.8997, 0.2586, 0.4364

Protanopia

68.1232, 0.3682, 0.3951

Deuteranopia

68.1640, 0.3681, 0.3596



Tritanopia

69.5906, 0.2315, 0.3059

Trichromacy



Original Color

69.8997, 0.2586, 0.4364



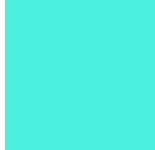
Protanomaly

65.2628, 0.3107, 0.4145



Deuteranomaly

64.4517, 0.3100, 0.3876



Tritanomaly

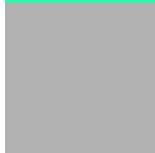
69.1979, 0.2399, 0.3493

Monochromacy



Original Color

69.8997, 0.2586, 0.4364



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

49.8862, 0.2785, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8997, 0.2586, 0.4364 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, 247, 169)` looks like.

```
.text, #text, p{  
    color:rgb(43, 247, 169)  
}
```

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, 247, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 247, 169) }
```

Border

The CSS property to change the border of an element to Yxy 69.8997, 0.2586, 0.4364 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, 247, 169) }
```

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

```
.border{ border-color:rgb(43, 247, 169) }
```

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

Here you see how a box with a 4 pixel rgb(43, 247, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 247, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 247, 169);  
box-shadow:4px 4px 4px 4px rgb(43, 247,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8997, 0.2586, 0.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 247, 169) }
```

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

```
.background{ background-color: rgb(43, 247,  
169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor