

Converting Colors

$Yxy(69.9797, 0.2688, 0.4345)$

Have a look what the booklet for
Yxy(69.9797, 0.2688, 0.4345)
contains.

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Color

Yxy(69.9797, 0.2688, 0.4345)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 54F5A7 |
| RGB | 84, 245, 167 |
| RGB Percent | 33%, 96%, 65% |
| CMY | 0.6701, 0.0392, 0.3451 |
| CMYK | 0.66, 0.00, 0.32, 0.04 |
| HSL | 151°, 89%, 65% |
| HSV | 151°, 66%, 96% |
| XYZ | 43.2924, 69.9797, 47.7859 |
| YIQ | 187.9690, -70.9180, -58.3900 |

Conversions

Conversions Part 2

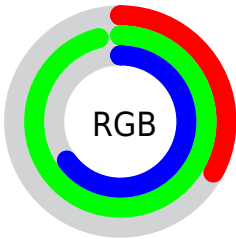
| Format | Color |
|-------------------------------------|--------------------------------------------------|
| RYB | 84, 190, 245 |
| Decimal | 5567911 |
| CIELab | 86.99, -59.20, 25.58 |
| CIELCh | 87, 64.492, 156.636 |
| Yxy | 69.9797, 0.2688, 0.4345 |
| Android (android.graphics.Color) | 4283757991 (0xFF54F5A7) |
| YUV | 187.9690, -10.3377, -91.1808 |
| Hunter-Lab | 83.6539, -54.0173, 24.6893 |

Details

The Yxy color **69.9797, 0.2688, 0.4345** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **28.3858, 0.4193, 0.2513**, and the grayscale version is **50.3825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1835, 0.2709, 0.3673**, and **37.2042, 0.2616, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **68.6215, 0.2673, 0.4538**, and if you desaturate by 10%, it is **71.7792, 0.2722, 0.4154**.

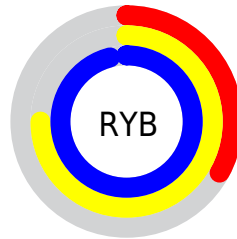
Distribution



Red (33%)

Green (96%)

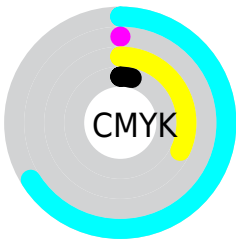
Blue (65%)



Red (33%)

Yellow (75%)

Blue (96%)

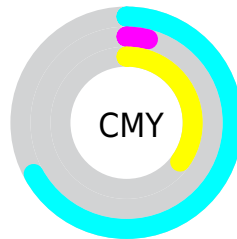


Cyan (66%)

Magenta (0%)

Yellow (32%)

Black (4%)



Cyan (67%)


Magenta (4%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9797, 0.2688, 0.4345 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 69.9797, 0.2688, 0.4345 by changing the saturation by 10% instead.

 69.9797, 0.2688,
0.4345

 69.9797, 0.2688,
0.4345


460.4787, 0.2909,
0.3819

 51.5100, 0.2633,
0.4475


 119.1798, 0.2768,
0.4155


 36.6146, 0.2563,
0.4639


 150.6790, 0.2798,
0.4083

 24.9093, 0.2469,
0.4856


 187.2901, 0.2824,
0.4023

 16.0095, 0.2341,
0.5152

 229.3976, 0.2846,
0.3970

 9.5309, 0.2155,
0.5578

277.3858, 0.2865,
0.3925

 5.0890, 0.1866,
0.6229

331.6391, 0.2881,

 2.2996, 0.1179,

0.3886

0.7926

392.5420, 0.2896,
0.3851

0.7735, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.9797, 0.2688,
0.4345

69.9797, 0.2688,
0.4345

68.6215, 0.2673,
0.4538

71.7792, 0.2722,
0.4154

67.6518, 0.2678,
0.4728

74.0497, 0.2773,
0.3971

67.0188, 0.2703,
0.4909


76.8277, 0.2838,
0.3797


66.8133, 0.2718,
0.4985

80.1438, 0.2912,
0.3637

 84.0262, 0.2993,
0.3490

 88.5009, 0.3078,
0.3358

 93.4729, 0.3161,
0.3241

 93.7814, 0.3132,
0.3194

Harmonies

Analogous

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



69.9797, 0.3429, 0.4736



69.9797, 0.2688, 0.4345



69.9797, 0.2106, 0.3537

Triad

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



69.9797, 0.2688, 0.4345



69.9797, 0.2107, 0.2108



69.9797, 0.4649, 0.3513

Complementary

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



69.9797, 0.2688, 0.4345



28.3858, 0.4193, 0.2513

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.



69.9797, 0.4212, 0.2957



69.9797, 0.2688, 0.4345



69.9797, 0.2672, 0.2191

Square

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



69.9797, 0.2688, 0.4345



69.9797, 0.1817, 0.2285



69.9797, 0.3447, 0.2491



69.9797, 0.4595, 0.4087

Rectangle

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



69.9797, 0.2688, 0.4345



69.9797, 0.1876, 0.2996



69.9797, 0.3447, 0.2491



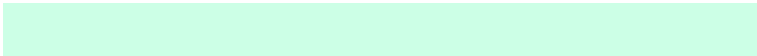
69.9797, 0.4555, 0.3323

Sweetspot

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



69.9825, 0.2688, 0.4345



90.0859, 0.2957, 0.3553



73.8962, 0.3459, 0.5145



19.0288, 0.2934, 0.3594



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.



69.9825, 0.2688, 0.4345



74.7375, 0.2672, 0.4605



73.7846, 0.2353, 0.3288



18.6146, 0.3045, 0.3407



36.0237, 0.2710, 0.4957



3.1869, 0.2648, 0.4733

Inverse Universe

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



28.3858, 0.4193, 0.2513



26.0981, 0.4537, 0.2460



26.4150, 0.5296, 0.3296



16.6164, 0.3217, 0.3176



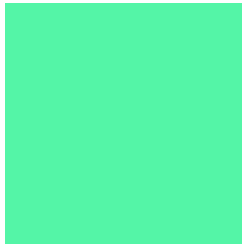
11.2004, 0.5025, 0.2542



1.0051, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 69.9797, 0.2688, 0.4345 looks on a white background.

Color Contrast Check

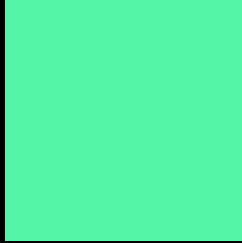
Large Text (above 18pt) WCAG AA × Fail

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 69.9797, 0.2688, 0.4345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

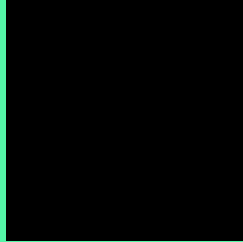
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

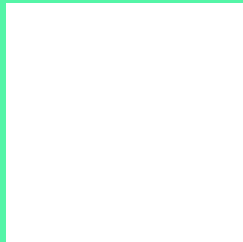
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9797, 0.2688, 0.4345

Background



This preview shows how black text looks on a background with the Yxy color 69.9797, 0.2688, 0.4345.

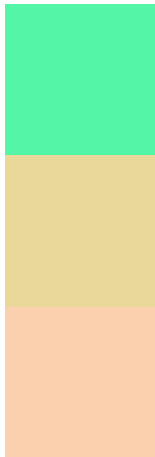


This preview shows how white text looks on a background with the Yxy color 69.9797, 0.2688, 0.4345.

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

69.9797, 0.2688, 0.4345

Protanopia

68.7685, 0.3694, 0.3970

Deuteranopia

68.7161, 0.3709, 0.3637



Tritanopia

69.5823, 0.2385, 0.3061

Trichromacy



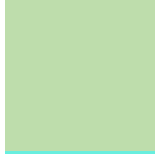
Original Color

69.9797, 0.2688, 0.4345



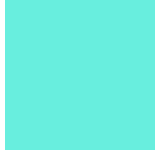
Protanomaly

67.0251, 0.3223, 0.4129



Deuteranomaly

65.6386, 0.3227, 0.3884



Tritanomaly

69.3661, 0.2489, 0.3491

Monochromacy



Original Color

69.9797, 0.2688, 0.4345



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.3802, 0.2897, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9797, 0.2688, 0.4345 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(84, 245, 167)` looks like.

```
.text, #text, p{  
    color:rgb(84, 245, 167)  
}
```

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(84, 245, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 245, 167) }
```

Border

The CSS property to change the border of an element to Yxy 69.9797, 0.2688, 0.4345 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(84, 245, 167) }
```

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

```
.border{ border-color:rgb(84, 245, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 245, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 245, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 245, 167);  
box-shadow:4px 4px 4px 4px rgb(84, 245,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9797, 0.2688, 0.4345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 245, 167) }
```

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

```
.background{ background-color: rgb(84, 245,  
167) }
```

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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