

Converting Colors

$Yxy(68.4989, 0.2706, 0.4380)$

Have a look what the booklet for
Yxy(68.4989, 0.2706, 0.4380)
contains.

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Color

Yxy(68.6768, 0.2705, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	55F3A3
RGB	85, 243, 163
RGB Percent	33%, 95%, 64%
CMY	0.6670, 0.0470, 0.3607
CMYK	0.65, 0.00, 0.33, 0.05
HSL	150°, 87%, 64%
HSV	150°, 65%, 95%
XYZ	42.4037, 68.6768, 45.6800
YIQ	186.6380, -68.4880, -58.3760

Conversions

Conversions Part 2

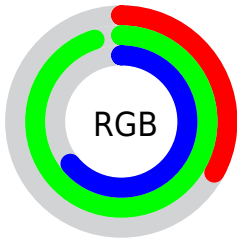
Format	Color
RYB	85, 191, 243
Decimal	5632931
CIELab	86.34, -59.08, 26.73
CIElCh	86, 64.849, 155.655
Yxy	68.6768, 0.2705, 0.4381
Android (android.graphics.Color)	4283823011 (0xFF55F3A3)
YUV	186.6380, -11.6535, -89.1365
Hunter-Lab	82.8715, -53.6901, 25.3285

Details

The Yxy color **68.6768, 0.2705, 0.4381** 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 **28.2548, 0.4130, 0.2483**, and the grayscale version is **49.5659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9715, 0.2728, 0.3722**, and **36.2655, 0.2631, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **67.3124, 0.2690, 0.4582**, and if you desaturate by 10%, it is **70.4798, 0.2739, 0.4182**.

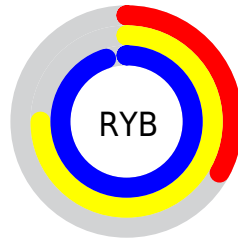
Distribution



Red (33%)

Green (95%)

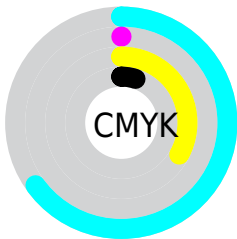
Blue (64%)



Red (33%)

Yellow (75%)

Blue (95%)

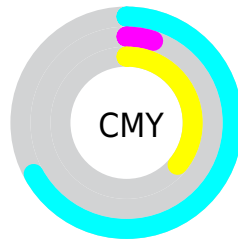


Cyan (65%)

Magenta (0%)

Yellow (33%)

Black (5%)



Cyan (67%)


Magenta (5%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6768, 0.2705, 0.4381 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 68.6768, 0.2705, 0.4381 by changing the saturation by 10% instead.


 68.6768, 0.2705,
0.4381

 68.6768, 0.2705,
0.4381

455.8902, 0.2920,
0.3835

 50.4485, 0.2651,
0.4516


 117.3198, 0.2784,
0.4183


 35.7699, 0.2581,
0.4689


 148.5034, 0.2813,
0.4109

 24.2566, 0.2488,
0.4916


 184.7742, 0.2838,
0.4046

 15.5240, 0.2359,
0.5227

 226.5166, 0.2859,
0.3991

 9.1880, 0.2170,
0.5676

274.1150, 0.2877,
0.3944

 4.8640, 0.1871,
0.6364

327.9538, 0.2893,

 2.1677, 0.1090,

0.3903

0.8513

388.4174, 0.2907,
0.3867

0.7023, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.6768, 0.2705,
0.4381

68.6768, 0.2705,
0.4381

67.3124, 0.2690,
0.4582

70.4798, 0.2739,
0.4182

66.3351, 0.2696,
0.4780


72.7504, 0.2789,
0.3990

65.6948, 0.2721,
0.4968


75.5241, 0.2852,
0.3810

65.4640, 0.2738,
0.5057

78.8312, 0.2924,
0.3643

 82.6990, 0.3003,
0.3490

 87.1532, 0.3085,
0.3353

 92.2120, 0.3168,
0.3232

 92.5867, 0.3133,
0.3175

Harmonies

Analogous

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



68.6768, 0.3456, 0.4757



68.6768, 0.2705, 0.4381



68.6768, 0.2110, 0.3568

Triad

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



68.6768, 0.2705, 0.4381



68.6768, 0.2082, 0.2098



68.6768, 0.4659, 0.3494

Complementary

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



68.6768, 0.2705, 0.4381



28.2548, 0.4130, 0.2483

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.



68.6768, 0.4203, 0.2936



68.6768, 0.2705, 0.4381



68.6768, 0.2644, 0.2173

Square

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



68.6768, 0.2705, 0.4381



68.6768, 0.1800, 0.2284



68.6768, 0.3423, 0.2470



68.6768, 0.4620, 0.4074

Rectangle

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



68.6768, 0.2705, 0.4381



68.6768, 0.1871, 0.3016



68.6768, 0.3423, 0.2470



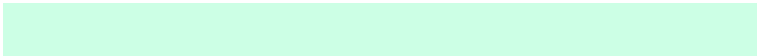
68.6768, 0.4559, 0.3303

Sweetspot

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



68.6796, 0.2705, 0.4381



90.0254, 0.2963, 0.3564



72.9336, 0.3476, 0.5117



19.0143, 0.2941, 0.3608



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.



68.6796, 0.2705, 0.4381



74.7087, 0.2690, 0.4645



72.3480, 0.2367, 0.3320



18.6085, 0.3048, 0.3412



35.9531, 0.2730, 0.5028



3.1806, 0.2666, 0.4798

Inverse Universe

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



28.2548, 0.4130, 0.2483



26.5235, 0.4446, 0.2420



26.2387, 0.5232, 0.3272



16.6224, 0.3214, 0.3171



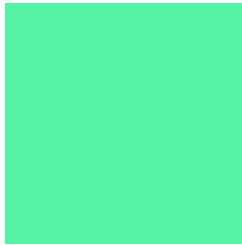
11.2694, 0.4935, 0.2492



1.0112, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 68.6768, 0.2705, 0.4381 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 68.6768, 0.2705, 0.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

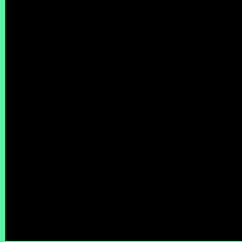
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

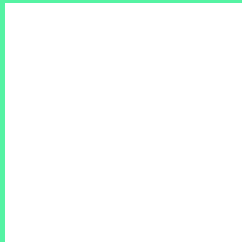
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6768, 0.2705, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 68.6768, 0.2705, 0.4381.

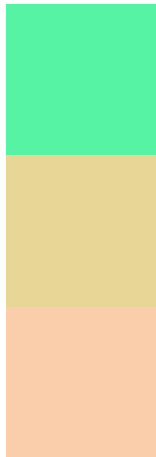


This preview shows how white text looks on a background with the Yxy color 68.6768, 0.2705, 0.4381.

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

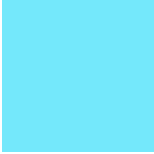
68.6768, 0.2705, 0.4381

Protanopia

67.2841, 0.3713, 0.3997

Deuteranopia

67.4069, 0.3738, 0.3660



Tritanopia

68.3913, 0.2392, 0.3060

Trichromacy



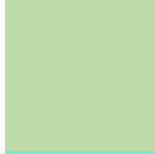
Original Color

68.6768, 0.2705, 0.4381



Protanomaly

65.6820, 0.3243, 0.4160



Deuteranomaly

64.4373, 0.3256, 0.3912



Tritanomaly

68.1086, 0.2501, 0.3505

Monochromacy



Original Color

68.6768, 0.2705, 0.4381



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.3240, 0.2908, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6768, 0.2705, 0.4381 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(85, 243, 163)` looks like.

```
.text, #text, p{  
    color:rgb(85, 243, 163)  
}
```

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(85, 243, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 243, 163) }
```

Border

The CSS property to change the border of an element to Yxy 68.6768, 0.2705, 0.4381 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(85, 243, 163) }
```

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

```
.border{ border-color:rgb(85, 243, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 243, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 243, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 243, 163);  
box-shadow:4px 4px 4px 4px rgb(85, 243,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6768, 0.2705, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 243, 163) }
```

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

```
.background{ background-color: rgb(85, 243,  
163) }
```

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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