

Converting Colors

Yxy(68.5237, 0.3146, 0.5485)

Have a look what the booklet for
Yxy(68.5237, 0.3146, 0.5485)
contains.

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Color

Yxy(68.6433, 0.3147, 0.5484)

Conversions

Conversions Part 1

Format	Color
Hex	67F547
RGB	103, 245, 71
RGB Percent	40%, 96%, 28%
CMY	0.5957, 0.0392, 0.7215
CMYK	0.58, 0.00, 0.71, 0.04
HSL	109°, 90%, 62%
HSV	109°, 71%, 96%
XYZ	39.3910, 68.6433, 17.1358
YIQ	182.7060, -28.7780, -84.2180

Conversions

Conversions Part 2

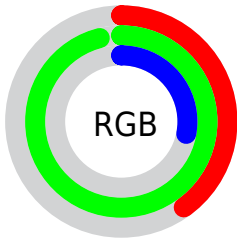
Format	Color
RYB	71, 245, 213
Decimal	6812999
CIELab	86.33, -68.28, 68.45
CIElCh	86, 96.681, 134.931
Yxy	68.6433, 0.3147, 0.5484
Android (android.graphics.Color)	4285003079 (0xFF67F547)
YUV	182.7060, -55.0711, -69.9022
Hunter-Lab	82.8513, -60.1231, 45.7332

Details

The Yxy color **68.6433, 0.3147, 0.5484** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **25.2346, 0.2881, 0.1575**, and the grayscale version is **47.5182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1855, 0.3263, 0.4783**, and **35.6118, 0.3012, 0.5990** is the 20% darker color. If you saturate the color by 10%, you get **67.3474, 0.3119, 0.5718**, and if you desaturate by 10%, it is **70.3541, 0.3167, 0.5191**.

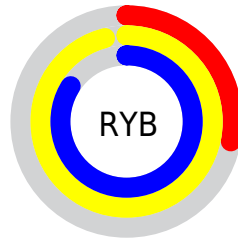
Distribution



Red (40%)

Green (96%)

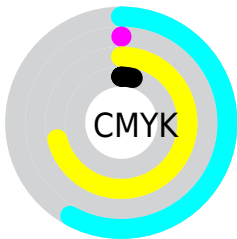
Blue (28%)



Red (28%)

Yellow (96%)

Blue (84%)

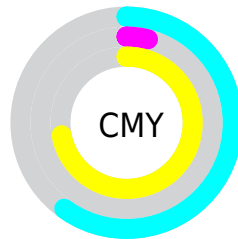


Cyan (58%)

Magenta (0%)

Yellow (71%)

Black (4%)



Cyan (60%)


Magenta (4%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6433, 0.3147, 0.5484 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 68.6433, 0.3147, 0.5484 by changing the saturation by 10% instead.


 68.6433, 0.3147,
0.5484

 68.6433, 0.3147,
0.5484


455.7719, 0.3223,
0.4389


 50.4213, 0.3102,
0.5740


 117.2720, 0.3195,
0.5095

 35.7482, 0.3031,
0.6054


 148.4474, 0.3207,
0.4946


 24.2398, 0.2916,
0.6440


 184.7094, 0.3214,
0.4818

 15.5116, 0.2727,
0.6916

 226.4423, 0.3219,
0.4708

 9.1792, 0.2437,
0.7563

 274.0307, 0.3222,
0.4613

 4.8583, 0.1889,
0.8111

327.8588, 0.3223,

 2.1643, 0.0231,

0.4529

0.9769

388.3111, 0.3223,
0.4455

0.7005, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.6433, 0.3147,
0.5484

68.6433, 0.3147,
0.5484

67.3474, 0.3119,
0.5718

70.3541, 0.3167,
0.5191

66.4211, 0.3084,
0.5877


72.5031, 0.3177,
0.4861

65.8640, 0.3052,
0.5958

75.1221, 0.3178,
0.4518

78.2370, 0.3172,
0.4182

 81.8723, 0.3161,
0.3864

 86.0505, 0.3146,
0.3574

 90.7929, 0.3129,
0.3315

 93.7822, 0.3132,
0.3194

Harmonies

Analogous

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



68.6433, 0.4176, 0.5231



68.6433, 0.3147, 0.5484



68.6433, 0.2164, 0.4646

Triad

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



68.6433, 0.3147, 0.5484



68.6433, 0.1401, 0.1757



68.6433, 0.5002, 0.2958

Complementary

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



68.6433, 0.3147, 0.5484



25.2346, 0.2881, 0.1575

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.



68.6433, 0.3919, 0.2318



68.6433, 0.3147, 0.5484



68.6433, 0.1863, 0.1662

Square

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



68.6433, 0.3147, 0.5484



68.6433, 0.1280, 0.2233



68.6433, 0.2723, 0.1860



68.6433, 0.5395, 0.3682

Rectangle

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



68.6433, 0.3147, 0.5484



68.6433, 0.1678, 0.3698



68.6433, 0.2723, 0.1860



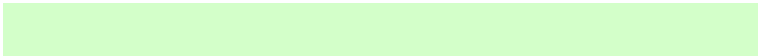
68.6433, 0.4695, 0.2731

Sweetspot

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



68.6462, 0.3147, 0.5484



89.6549, 0.3161, 0.3865



66.0585, 0.4316, 0.4607



18.9416, 0.3164, 0.3951



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.



68.6462, 0.3147, 0.5484



73.2902, 0.3105, 0.5794



68.0776, 0.2839, 0.4976



18.6189, 0.3143, 0.3533



35.5266, 0.3060, 0.5953



3.1619, 0.3134, 0.5893

Inverse Universe

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



25.2346, 0.2881, 0.1575



23.0753, 0.2811, 0.1386



27.7613, 0.3798, 0.2130



16.6048, 0.3108, 0.3055



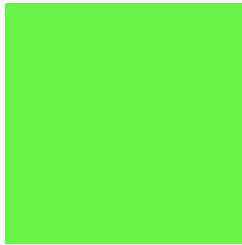
10.2106, 0.2746, 0.1287



0.9366, 0.2807, 0.1320

Previews

White Background



This preview shows how the Yxy color 68.6433, 0.3147, 0.5484 looks on a white background.

Color Contrast Check

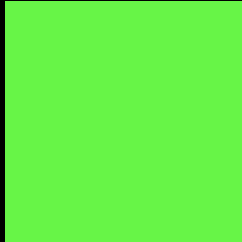
Large Text (above 18pt) WCAG AA × Fail

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 68.6433, 0.3147, 0.5484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

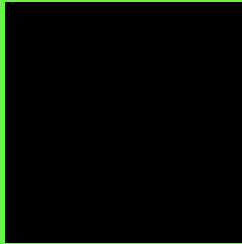
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6433, 0.3147, 0.5484

Background



This preview shows how black text looks on a background with the Yxy color 68.6433, 0.3147, 0.5484.

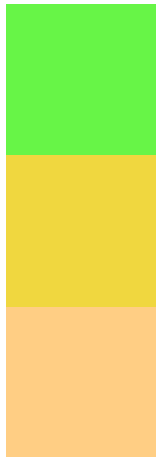


This preview shows how white text looks on a background with the Yxy color 68.6433, 0.3147, 0.5484.

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

68.6433, 0.3147, 0.5484

Protanopia

67.4850, 0.4271, 0.4715

Deuteranopia

67.0686, 0.4071, 0.4046



Tritanopia

68.2430, 0.2499, 0.3075

Trichromacy



Original Color

68.6433, 0.3147, 0.5484



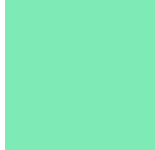
Protanomaly

65.7332, 0.3790, 0.5041



Deuteranomaly

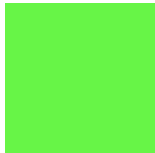
64.5915, 0.3697, 0.4572



Tritanomaly

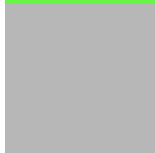
67.2712, 0.2765, 0.3970

Monochromacy



Original Color

68.6433, 0.3147, 0.5484



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.9656, 0.3173, 0.4173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6433, 0.3147, 0.5484 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(103, 245, 71)` looks like.

```
.text, #text, p{  
    color:rgb(103, 245, 71)  
}
```

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(103, 245, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 245, 71) }
```

Border

The CSS property to change the border of an element to Yxy 68.6433, 0.3147, 0.5484 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(103, 245, 71) }
```

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

```
.border{ border-color:rgb(103, 245, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 245, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 245, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 245, 71);  
box-shadow:4px 4px 4px 4px rgb(103, 245,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6433, 0.3147, 0.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 245, 71) }
```

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

```
.background{ background-color: rgb(103,  
245, 71) }
```

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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