

Converting Colors

Yxy(67.5883, 0.3041, 0.5551)

Have a look what the booklet for
Yxy(67.5883, 0.3041, 0.5551)
contains.

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Color

Yxy(67.3924, 0.3041, 0.5545)

Conversions

Conversions Part 1

Format	Color
Hex	4EF548
RGB	78, 245, 72
RGB Percent	31%, 96%, 28%
CMY	0.6944, 0.0392, 0.7178
CMYK	0.68, 0.00, 0.71, 0.04
HSL	118°, 90%, 62%
HSV	118°, 71%, 96%
XYZ	36.9595, 67.3924, 17.1854
YIQ	175.3450, -43.9990, -89.2070

Conversions

Conversions Part 2

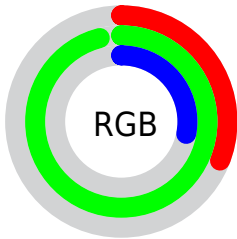
Format	Color
RYB	72, 245, 239
Decimal	5174600
CIELab	85.70, -73.42, 67.26
CIElCh	86, 99.574, 137.506
Yxy	67.3924, 0.3041, 0.5545
Android (android.graphics.Color)	4283364680 (0xFF4EF548)
YUV	175.3450, -50.9491, -85.3716
Hunter-Lab	82.0929, -63.2991, 45.0532

Details

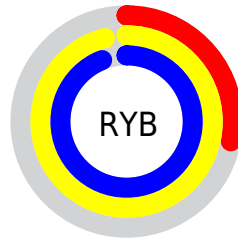
The Yxy color **67.3924, 0.3041, 0.5545** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **29.5826, 0.3141, 0.1708**, and the grayscale version is **43.3357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3080, 0.3148, 0.4824**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.3117, 0.3026, 0.5780**, and if you desaturate by 10%, it is **68.9650, 0.3057, 0.5242**.

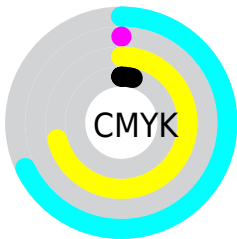
Distribution



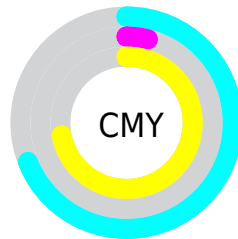
- Red (31%)
- Green (96%)
- Blue (28%)



- Red (28%)
- Yellow (96%)
- Blue (94%)



- Cyan (68%)
- Magenta (0%)
- Yellow (71%)
- Black (4%)





- Cyan (69%)
- Magenta (4%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3924, 0.3041, 0.5545 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 67.3924, 0.3041, 0.5545 by changing the saturation by 10% instead.


 67.3924, 0.3041,
0.5545


 67.3924, 0.3041,
0.5545


451.3402, 0.3168,
0.4407

 49.4036, 0.2984,
0.5815


 115.4825, 0.3107,
0.5138

 34.9397, 0.2898,
0.6148


 146.3526, 0.3126,
0.4983


 23.6165, 0.2763,
0.6560


 182.2852, 0.3140,
0.4850

 15.0494, 0.2550,
0.7071


 223.6648, 0.3149,
0.4737

 8.8540, 0.2227,
0.7773

 270.8756, 0.3157,
0.4638

 4.6461, 0.1644,
0.8356

324.3023, 0.3162,

 2.0411, 0.0000,

0.4551

1.0000

384.3290, 0.3166,
0.4475

■ 0.6312, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.3924, 0.3041,
0.5545

■ 67.3924, 0.3041,
0.5545

■ 66.3117, 0.3026,
0.5780

■ 68.9650, 0.3057,
0.5242

■ 65.6578, 0.3013,
0.5929


■ 71.0694, 0.3073,
0.4897


■ 65.3650, 0.3005,
0.5996


■ 73.7505, 0.3088,
0.4538

■ 77.0466, 0.3101,
0.4188

 80.9924, 0.3111,
0.3861

 85.6203, 0.3120,
0.3566

 90.9602, 0.3127,
0.3305

 93.7905, 0.3132,
0.3194

Harmonies

Analogous

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



67.3924, 0.4103, 0.5337



67.3924, 0.3041, 0.5545



67.3924, 0.2052, 0.4581

Triad

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



67.3924, 0.3041, 0.5545



67.3924, 0.1383, 0.1693



67.3924, 0.5136, 0.3001

Complementary

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



67.3924, 0.3041, 0.5545



29.5826, 0.3141, 0.1708

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.



67.3924, 0.4055, 0.2339



67.3924, 0.3041, 0.5545



67.3924, 0.1885, 0.1627

Square

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



67.3924, 0.3041, 0.5545



67.3924, 0.1231, 0.2134



67.3924, 0.2803, 0.1853



67.3924, 0.5458, 0.3742

Rectangle

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



67.3924, 0.3041, 0.5545



67.3924, 0.1584, 0.3582



67.3924, 0.2803, 0.1853



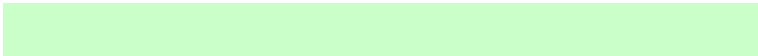
67.3924, 0.4839, 0.2768

Sweetspot

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



67.3952, 0.3041, 0.5545



88.4964, 0.3111, 0.3874



80.0787, 0.4128, 0.4796



18.6721, 0.3108, 0.3962



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.



67.3952, 0.3041, 0.5545



72.2360, 0.3019, 0.5859



68.8840, 0.2728, 0.4604



18.4992, 0.3121, 0.3534



35.2225, 0.3007, 0.5994



3.1051, 0.3026, 0.5979

Inverse Universe

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



29.5826, 0.3141, 0.1708



28.4922, 0.3133, 0.1558



26.8408, 0.4151, 0.2372



16.7375, 0.3133, 0.3056



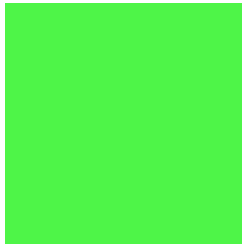
13.2226, 0.3123, 0.1494



1.1711, 0.3135, 0.1500

Previews

White Background



This preview shows how the Yxy color 67.3924, 0.3041, 0.5545 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 67.3924, 0.3041, 0.5545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

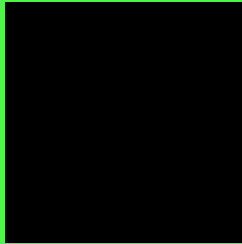
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3924, 0.3041, 0.5545

Background



This preview shows how black text looks on a background with the Yxy color 67.3924, 0.3041, 0.5545.

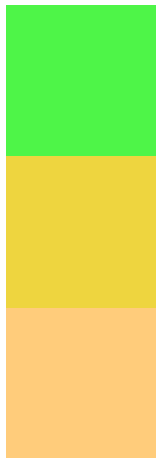


This preview shows how white text looks on a background with the Yxy color 67.3924, 0.3041, 0.5545.

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

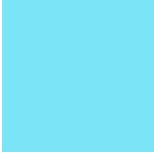
67.3924, 0.3041, 0.5545

Protanopia

66.1245, 0.4271, 0.4710

Deuteranopia

65.8758, 0.4144, 0.4111



Tritanopia

66.9650, 0.2429, 0.3071

Trichromacy



Original Color

67.3924, 0.3041, 0.5545



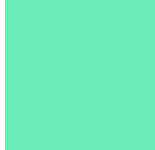
Protanomaly

63.9471, 0.3717, 0.5087



Deuteranomaly

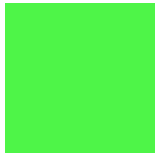
62.7389, 0.3662, 0.4659



Tritanomaly

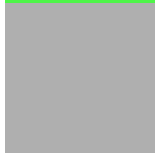
65.9614, 0.2678, 0.3986

Monochromacy



Original Color

67.3924, 0.3041, 0.5545



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

48.7190, 0.3100, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3924, 0.3041, 0.5545 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(78, 245, 72)` looks like.

```
.text, #text, p{  
    color:rgb(78, 245, 72)  
}
```

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(78, 245, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 245, 72) }
```

Border

The CSS property to change the border of an element to Yxy 67.3924, 0.3041, 0.5545 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(78, 245, 72) }
```

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

```
.border{ border-color:rgb(78, 245, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 245, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 245, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 245, 72);  
box-shadow:4px 4px 4px 4px rgb(78, 245,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3924, 0.3041, 0.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 245, 72) }
```

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

```
.background{ background-color: rgb(78, 245,  
72) }
```

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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