

Converting Colors

$Y_{xy}(75.0302, 0.3125, 0.5469)$

Have a look what the booklet for
Yxy(75.0302, 0.3125, 0.5469)
contains.

Yxy(74.9989, 0.3124, 0.5472)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.9989, 0.3124, 0.5472)

Conversions

Conversions Part 1

Format	Color
Hex	68FF4D
RGB	104, 255, 77
RGB Percent	41%, 100%, 30%
CMY	0.5918, 0.0000, 0.6980
CMYK	0.59, 0.00, 0.70, 0.00
HSL	111°, 100%, 65%
HSV	111°, 70%, 100%
XYZ	42.8174, 74.9989, 19.2431
YIQ	189.5590, -32.8580, -87.3700

Conversions

Conversions Part 2

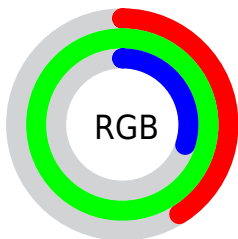
Format	Color
R_{YB}	77, 255, 228
Decimal	6881101
CIE Lab	89.39, -70.99, 69.47
CIE LCh	89, 99.326, 135.616
Yxy	74.9989, 0.3124, 0.5472
Android (android.graphics.Color)	4285071181 (0xFF68FF4D)
YUV	189.5590, -55.4916, -75.0352
Hunter-Lab	86.6019, -63.3001, 47.4470

Details

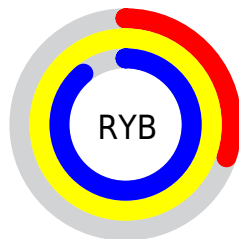
The Yxy color **74.9989, 0.3124, 0.5472** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **29.0104, 0.2941, 0.1620**, and the grayscale version is **51.5821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5941, 0.3242, 0.4701**, and **39.9519, 0.3003, 0.5998** is the 20% darker color. If you saturate the color by 10%, you get **73.5760, 0.3098, 0.5714**, and if you desaturate by 10%, it is **76.9009, 0.3143, 0.5170**.

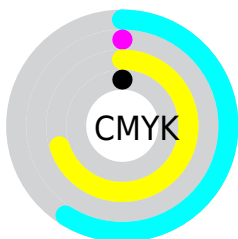
Distribution



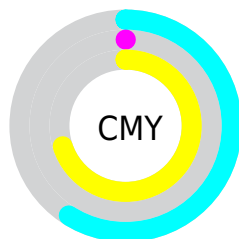
- Red (41%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9989, 0.3124, 0.5472 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 74.9989, 0.3124, 0.5472 by changing the saturation by 10% instead.


 74.9989, 0.3124,
0.5472

 74.9989, 0.3124,
0.5472


477.9138, 0.3209,
0.4397

 55.6120, 0.3079,
0.5721


 126.3108, 0.3173,
0.5093


 39.8919, 0.3010,
0.6023


 159.0046, 0.3186,
0.4947


 27.4543, 0.2902,
0.6395


 196.9028, 0.3195,
0.4822

 17.9147, 0.2727,
0.6851

 240.3898, 0.3201,
0.4713

 10.8888, 0.2480,
0.7520

 289.8500, 0.3205,
0.4619

 5.9921, 0.1974,
0.8026


345.6678, 0.3207,

 2.8403, 0.0977,


0.4536

0.9023

408.2276, 0.3208,
0.4462


 1.0489, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.9989, 0.3124,
0.5472


 74.9989, 0.3124,
0.5472


 73.5760, 0.3098,
0.5714


 76.9009, 0.3143,
0.5170


 72.5793, 0.3067,
0.5880


 79.3103, 0.3154,
0.4834

 71.9542, 0.3037,
0.5970

 82.2644, 0.3158,
0.4487

 71.9444, 0.3037,
0.5971

 85.7941, 0.3156,
0.4148

 89.9279, 0.3149,
0.3830

 94.6926, 0.3139,
0.3542

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



74.9989, 0.4153, 0.5241



74.9989, 0.3124, 0.5472



74.9989, 0.2147, 0.4612

Triad

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



74.9989, 0.3124, 0.5472



74.9989, 0.1410, 0.1755



74.9989, 0.5016, 0.2975

Complementary

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



74.9989, 0.3124, 0.5472



29.0104, 0.2941, 0.1620

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.



74.9989, 0.3946, 0.2333



74.9989, 0.3124, 0.5472



74.9989, 0.1880, 0.1666

Square

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



74.9989, 0.3124, 0.5472



74.9989, 0.1282, 0.2219



74.9989, 0.2749, 0.1871



74.9989, 0.5389, 0.3700

Rectangle

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



74.9989, 0.3124, 0.5472



74.9989, 0.1669, 0.3665



74.9989, 0.2749, 0.1871



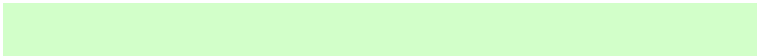
74.9989, 0.4715, 0.2748

Sweetspot

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



75.0021, 0.3124, 0.5472



89.4009, 0.3150, 0.3867



75.8257, 0.4259, 0.4640



18.8823, 0.3152, 0.3953



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.



75.0021, 0.3124, 0.5472



73.1105, 0.3086, 0.5794



74.8830, 0.2815, 0.4870



20.3007, 0.3139, 0.3534



37.6334, 0.3043, 0.5966



3.7012, 0.3103, 0.5918

Inverse Universe

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



29.0104, 0.2941, 0.1620



24.3863, 0.2884, 0.1433



30.5401, 0.3860, 0.2190



18.1521, 0.3113, 0.3054



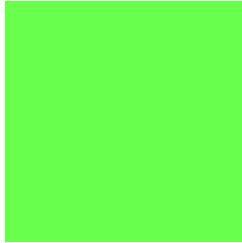
11.4698, 0.2826, 0.1331



1.1530, 0.2873, 0.1356

Previews

White Background



This preview shows how the Yxy color 74.9989, 0.3124, 0.5472 looks on a white background.

Color Contrast Check

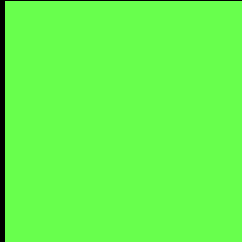
Large Text (above 18pt) WCAG AA × Fail

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 74.9989, 0.3124, 0.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

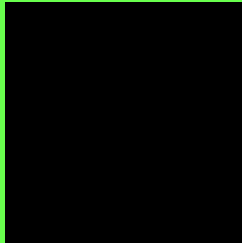
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

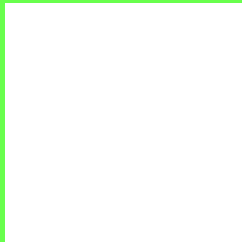
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9989, 0.3124, 0.5472

Background



This preview shows how black text looks on a background with the Yxy color 74.9989, 0.3124, 0.5472.

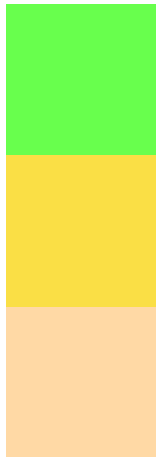


This preview shows how white text looks on a background with the Yxy color 74.9989, 0.3124, 0.5472.

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

74.9989, 0.3124, 0.5472

Protanopia

73.5290, 0.4268, 0.4692

Deuteranopia

73.6023, 0.3786, 0.3825



Tritanopia

74.2724, 0.2528, 0.3083

Trichromacy



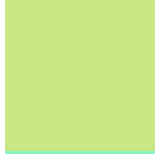
Original Color

74.9989, 0.3124, 0.5472



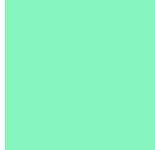
Protanomaly

71.7549, 0.3775, 0.5025



Deuteranomaly

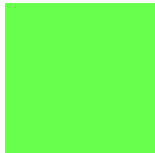
71.1246, 0.3524, 0.4426



Tritanomaly

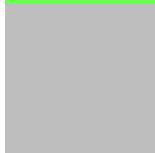
73.4056, 0.2775, 0.3970

Monochromacy



Original Color

74.9989, 0.3124, 0.5472



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.6340, 0.3157, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9989, 0.3124, 0.5472 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(104, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 77)  
}
```

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(104, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 77) }
```

Border

The CSS property to change the border of an element to Yxy 74.9989, 0.3124, 0.5472 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(104, 255, 77) }
```

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

```
.border{ border-color:rgb(104, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9989, 0.3124, 0.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 77) }
```

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

```
.background{ background-color: rgb(104,  
255, 77) }
```

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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