

Converting Colors

$Y_{xy}(76.9204, 0.3305, 0.5470)$

Have a look what the booklet for
Yxy(76.9204, 0.3305, 0.5470)
contains.

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Color

Yxy(76.9585, 0.3305, 0.5469)

Conversions

Conversions Part 1

Format	Color
Hex	86FF40
RGB	134, 255, 64
RGB Percent	53%, 100%, 25%
CMY	0.4748, 0.0000, 0.7490
CMYK	0.47, 0.00, 0.75, 0.00
HSL	98°, 100%, 63%
HSV	98°, 75%, 100%
XYZ	46.5072, 76.9585, 17.2520
YIQ	197.0470, -10.8050, -85.0530

Conversions

Conversions Part 2

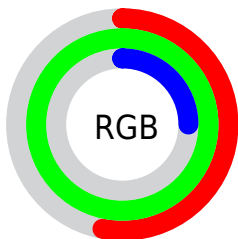
Format	Color
RYB	64, 255, 185
Decimal	8847168
CIELab	90.30, -64.20, 75.06
CIElCh	90, 98.768, 130.542
Yxy	76.9585, 0.3305, 0.5469
Android (android.graphics.Color)	4287037248 (0xFF86FF40)
YUV	197.0470, -65.5922, -55.2922
Hunter-Lab	87.7260, -58.8902, 49.7484

Details

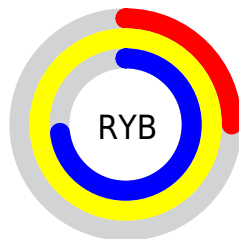
The Yxy color **76.9585, 0.3305, 0.5469** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **21.2100, 0.2530, 0.1345**, and the grayscale version is **56.2575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5773, 0.3466, 0.4735**, and **41.1614, 0.3180, 0.5857** is the 20% darker color. If you saturate the color by 10%, you get **75.4976, 0.3270, 0.5668**, and if you desaturate by 10%, it is **78.7417, 0.3322, 0.5214**.

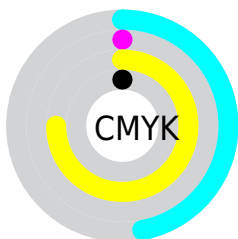
Distribution



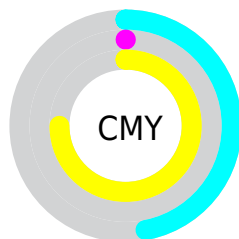
- Red (53%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9585, 0.3305, 0.5469 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 76.9585, 0.3305, 0.5469 by changing the saturation by 10% instead.


 76.9585, 0.3305,
0.5469


 76.9585, 0.3305,
0.5469


484.6225, 0.3314,
0.4418

 57.2188, 0.3275,
0.5704


 129.0809, 0.3330,
0.5105


 41.1809, 0.3222,
0.5985


 162.2324, 0.3333,
0.4963


 28.4605, 0.3132,
0.6322


 200.6233, 0.3333,
0.4840

 18.6731, 0.2980,
0.6726

 244.6380, 0.3331,
0.4733

 11.4343, 0.2744,
0.7256

 294.6609, 0.3328,
0.4640

 6.3597, 0.2288,
0.7712

351.0763, 0.3324,

 3.0650, 0.1566,

0.4557

0.8434

414.2687, 0.3319,
0.4484

■ 1.1658, 0.0000,
1.0000

■ 0.0335, 0.0000,
1.0000

■ 76.9585, 0.3305,
0.5469

■ 76.9585, 0.3305,
0.5469

■ 75.4976, 0.3270,
0.5668

■ 78.7417, 0.3322,
0.5214

■ 74.3499, 0.3220,
0.5801

■ 80.8917, 0.3322,
0.4918

■ 73.8656, 0.3191,
0.5848

■ 83.4237, 0.3305,
0.4602

■ 86.3576, 0.3276,
0.4281

■ 89.7118, 0.3239,
0.3971

■ 93.5032, 0.3196,
0.3679

■ 97.7481, 0.3150,
0.3412

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



76.9585, 0.4308, 0.5114



76.9585, 0.3305, 0.5469



76.9585, 0.2309, 0.4803

Triad

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



76.9585, 0.3305, 0.5469



76.9585, 0.1383, 0.1820



76.9585, 0.4849, 0.2866

Complementary

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



76.9585, 0.3305, 0.5469



21.2100, 0.2530, 0.1345

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.



76.9585, 0.3727, 0.2251



76.9585, 0.3305, 0.5469



76.9585, 0.1789, 0.1676

Square

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



76.9585, 0.3305, 0.5469



76.9585, 0.1312, 0.2361



76.9585, 0.2581, 0.1832



76.9585, 0.5357, 0.3575

Rectangle

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



76.9585, 0.3305, 0.5469



76.9585, 0.1789, 0.3900



76.9585, 0.2581, 0.1832



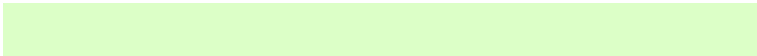
76.9585, 0.4517, 0.2646

Sweetspot

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



76.9519, 0.3305, 0.5469



90.7669, 0.3227, 0.3884



56.3134, 0.4634, 0.4386



19.2167, 0.3238, 0.3965



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.



76.9519, 0.3305, 0.5469



74.8765, 0.3246, 0.5744



73.3389, 0.2948, 0.5447



20.4918, 0.3171, 0.3532



38.6734, 0.3203, 0.5839



3.8248, 0.3289, 0.5770

Inverse Universe

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



21.2100, 0.2530, 0.1345



16.5929, 0.2382, 0.1123



30.6133, 0.3466, 0.1852



17.9485, 0.3079, 0.3052



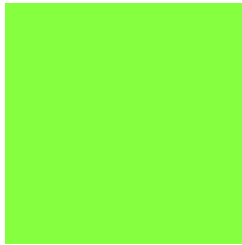
7.8546, 0.2306, 0.1044



0.8267, 0.2408, 0.1100

Previews

White Background



This preview shows how the Yxy color 76.9585, 0.3305, 0.5469 looks on a white background.

Color Contrast Check

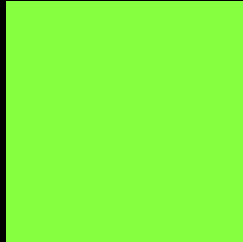
Large Text (above 18pt) WCAG AA × Fail

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 76.9585, 0.3305, 0.5469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

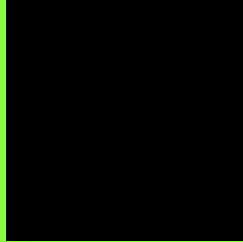
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

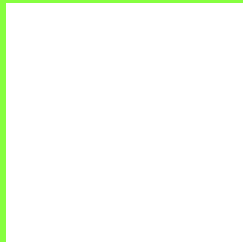
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9585, 0.3305, 0.5469

Background



This preview shows how black text looks on a background with the Yxy color 76.9585, 0.3305, 0.5469.

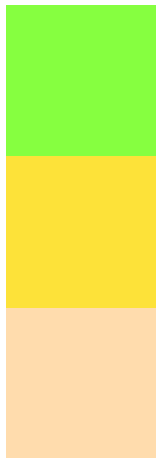


This preview shows how white text looks on a background with the Yxy color 76.9585, 0.3305, 0.5469.

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

76.9585, 0.3305, 0.5469

Protanopia

75.5708, 0.4308, 0.4757

Deuteranopia

75.4635, 0.3718, 0.3773



Tritanopia

76.3344, 0.2626, 0.3088

Trichromacy



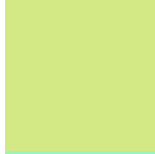
Original Color

76.9585, 0.3305, 0.5469



Protanomaly

74.5963, 0.3900, 0.5043



Deuteranomaly

73.8202, 0.3600, 0.4412



Tritanomaly

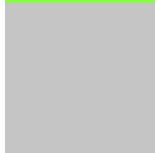
75.4146, 0.2922, 0.3998

Monochromacy



Original Color

76.9585, 0.3305, 0.5469



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.3114, 0.3262, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9585, 0.3305, 0.5469 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(134, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 64)  
}
```

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(134, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 64) }
```

Border

The CSS property to change the border of an element to Yxy 76.9585, 0.3305, 0.5469 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(134, 255, 64) }
```

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

```
.border{ border-color:rgb(134, 255, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9585, 0.3305, 0.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 64) }
```

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

```
.background{ background-color: rgb(134,  
255, 64) }
```

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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