

Converting Colors

Yxy(76.9313, 0.3144, 0.5167)

Have a look what the booklet for
Yxy(76.9313, 0.3144, 0.5167)
contains.

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Color

Yxy(76.9349, 0.3143, 0.5165)

Conversions

Conversions Part 1

Format	Color
Hex	7EFF67
RGB	126, 255, 103
RGB Percent	49%, 100%, 40%
CMY	0.5057, 0.0000, 0.5962
CMYK	0.51, 0.00, 0.60, 0.00
HSL	111°, 100%, 70%
HSV	111°, 60%, 100%
XYZ	46.8163, 76.9349, 25.2031
YIQ	199.1010, -28.0920, -74.6200

Conversions

Conversions Part 2

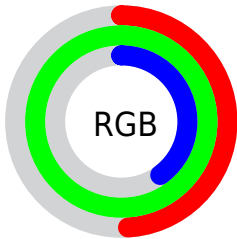
Format	Color
RYB	103, 255, 232
Decimal	8322919
CIELab	90.29, -63.28, 60.46
CIElCh	90, 87.523, 136.305
Yxy	76.9349, 0.3143, 0.5165
Android (android.graphics.Color)	4286512999 (0xFF7EFF67)
YUV	199.1010, -47.3778, -64.1096
Hunter-Lab	87.7125, -58.2230, 44.3626

Details

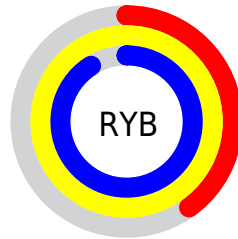
The Yxy color **76.9349, 0.3143, 0.5165** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **34.0534, 0.2980, 0.1807**, and the grayscale version is **57.4938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5534, 0.3245, 0.4396**, and **41.0904, 0.3068, 0.5648** is the 20% darker color. If you saturate the color by 10%, you get **75.0309, 0.3124, 0.5467**, and if you desaturate by 10%, it is **79.3568, 0.3154, 0.4828**.

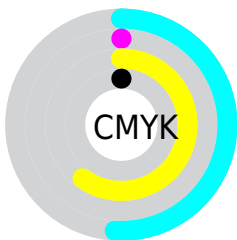
Distribution



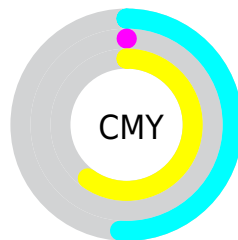
- Red (49%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (91%)



- Cyan (51%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9349, 0.3143, 0.5165 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 76.9349, 0.3143, 0.5165 by changing the saturation by 10% instead.


 76.9349, 0.3143,
0.5165


 76.9349, 0.3143,
0.5165


484.5420, 0.3195,
0.4244


 57.1994, 0.3113,
0.5381


 129.0476, 0.3175,
0.4839


 41.1654, 0.3067,
0.5647

 162.1936, 0.3183,
0.4714

 28.4483, 0.2993,
0.5980


 200.5786, 0.3188,
0.4607

 18.6639, 0.2871,
0.6401

 244.5870, 0.3192,
0.4515

 11.4277, 0.2668,
0.6949

294.6031, 0.3194,
0.4434

 6.3553, 0.2323,
0.7677


351.0114, 0.3195,


 3.0623, 0.1616,


0.4363


0.8384


414.1962, 0.3195,
0.4300

 1.1643, 0.0000,
1.0000

 0.0323, 0.0000,
1.0000

 76.9349, 0.3143,
0.5165

 76.9349, 0.3143,
0.5165

 75.0309, 0.3124,
0.5467


 79.3568, 0.3154,
0.4828


 73.5974, 0.3098,
0.5711


 82.3208, 0.3158,
0.4481

 72.5942, 0.3068,
0.5878

 85.8612, 0.3156,
0.4142

 71.9641, 0.3037,
0.5968

 90.0065, 0.3149,
0.3825

 71.9461, 0.3036,
0.5971

 94.7834, 0.3139,
0.3537

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.



76.9349, 0.4072, 0.5054



76.9349, 0.3143, 0.5165



76.9349, 0.2259, 0.4399

Triad

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



76.9349, 0.3143, 0.5165



76.9349, 0.1578, 0.1907



76.9349, 0.4799, 0.3047

Complementary

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



76.9349, 0.3143, 0.5165



34.0534, 0.2980, 0.1807

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.



76.9349, 0.3877, 0.2448



76.9349, 0.3143, 0.5165



76.9349, 0.2025, 0.1822

Square

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



76.9349, 0.3143, 0.5165



76.9349, 0.1455, 0.2340



76.9349, 0.2824, 0.2015



76.9349, 0.5136, 0.3726

Rectangle

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



76.9349, 0.3143, 0.5165



76.9349, 0.1821, 0.3604



76.9349, 0.2824, 0.2015



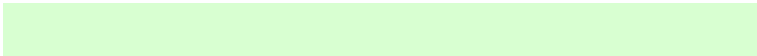
76.9349, 0.4539, 0.2835

Sweetspot

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



76.9381, 0.3143, 0.5165



90.7382, 0.3147, 0.3776



78.6432, 0.4114, 0.4500



19.1434, 0.3150, 0.3864



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.



76.9381, 0.3143, 0.5165



74.6488, 0.3119, 0.5531



76.7224, 0.2830, 0.4605



20.3005, 0.3139, 0.3534



37.6326, 0.3043, 0.5966



3.7011, 0.3103, 0.5918

Inverse Universe

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



34.0534, 0.2980, 0.1807



28.1272, 0.2933, 0.1585



35.3278, 0.3715, 0.2302



18.1524, 0.3114, 0.3054



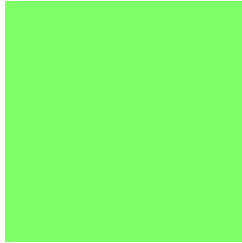
11.4753, 0.2827, 0.1331



1.1535, 0.2873, 0.1356

Previews

White Background



This preview shows how the Yxy color 76.9349, 0.3143, 0.5165 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 76.9349, 0.3143, 0.5165 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

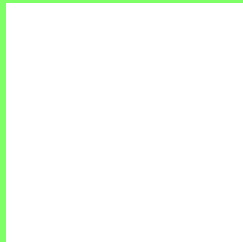
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9349, 0.3143, 0.5165

Background



This preview shows how black text looks on a background with the Yxy color 76.9349, 0.3143, 0.5165.

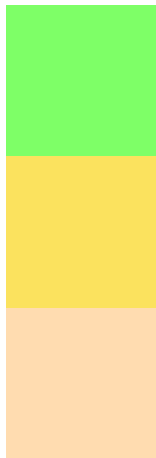


This preview shows how white text looks on a background with the Yxy color 76.9349, 0.3143, 0.5165.

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

76.9349, 0.3143, 0.5165

Protanopia

75.7101, 0.4150, 0.4553

Deuteranopia

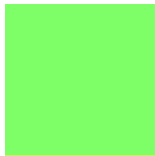
75.5810, 0.3697, 0.3742



Tritanopia

76.4761, 0.2607, 0.3099

Trichromacy



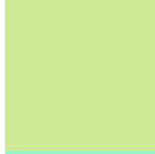
Original Color

76.9349, 0.3143, 0.5165



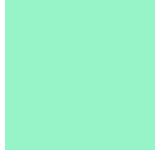
Protanomaly

74.5533, 0.3733, 0.4807



Deuteranomaly

73.8576, 0.3483, 0.4246



Tritanomaly

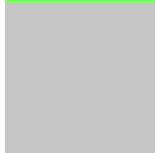
75.4508, 0.2815, 0.3825

Monochromacy



Original Color

76.9349, 0.3143, 0.5165



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1140, 0.3150, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9349, 0.3143, 0.5165 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(126, 255, 103)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 103)  
}
```

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(126, 255, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 103) }
```

Border

The CSS property to change the border of an element to Yxy 76.9349, 0.3143, 0.5165 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(126, 255, 103) }
```

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

```
.border{ border-color:rgb(126, 255, 103) }
```

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

Here you see how a box with a 4 pixel rgb(126, 255, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9349, 0.3143, 0.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 103) }
```

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

```
.background{ background-color: rgb(126,  
255, 103) }
```

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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