

Converting Colors

Yxy(76.3034, 0.3049, 0.4938)

Have a look what the booklet for
Yxy(76.3034, 0.3049, 0.4938)
contains.

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Color

Yxy(76.5246, 0.3049, 0.4946)

Conversions

Conversions Part 1

Format	Color
Hex	7BFE7B
RGB	123, 254, 123
RGB Percent	48%, 100%, 48%
CMY	0.5180, 0.0039, 0.5177
CMYK	0.52, 0.00, 0.52, 0.00
HSL	120°, 99%, 74%
HSV	120°, 52%, 100%
XYZ	47.1742, 76.5246, 31.0214
YIQ	199.8970, -36.0250, -68.5130

Conversions

Conversions Part 2

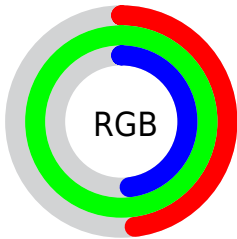
Format	Color
RYB	123, 254, 254
Decimal	8126075
CIELab	90.10, -61.46, 51.33
CIELCh	90, 80.079, 140.132
Yxy	76.5246, 0.3049, 0.4946
Android (android.graphics.Color)	4286316155 (0xFF7BFE7B)
YUV	199.8970, -37.9102, -67.4387
Hunter-Lab	87.4783, -56.8279, 40.2095

Details

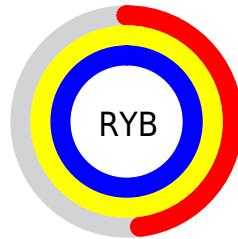
The Yxy color **76.5246, 0.3049, 0.4946** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **42.3653, 0.3186, 0.2051**, and the grayscale version is **57.9326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8016, 0.3115, 0.4172**, and **40.7919, 0.2972, 0.5381** is the 20% darker color. If you saturate the color by 10%, you get **74.3377, 0.3033, 0.5290**, and if you desaturate by 10%, it is **79.3684, 0.3066, 0.4584**.

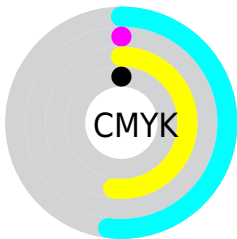
Distribution



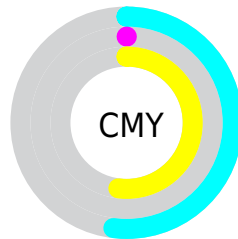
- Red (48%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5246, 0.3049, 0.4946 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 76.5246, 0.3049, 0.4946 by changing the saturation by 10% instead.


 76.5246, 0.3049,
0.4946


 76.5246, 0.3049,
0.4946


483.1416, 0.3129,
0.4128


 56.8628, 0.3018,
0.5141


 128.4682, 0.3086,
0.4654

 40.8951, 0.2973,
0.5385


 161.5187, 0.3098,
0.4543

 28.2371, 0.2905,
0.5696


 199.8010, 0.3107,
0.4448

 18.5045, 0.2797,
0.6100

243.6994, 0.3114,
0.4366

 11.3128, 0.2617,
0.6636

293.5982, 0.3119,
0.4295

 6.2776, 0.2374,
0.7579


349.8819, 0.3123,


 3.0146, 0.1694,

0.4233

0.8306

412.9349, 0.3126,
0.4178


 1.1394, 0.0000,
1.0000


 0.0113, 0.0000,
1.0000


 76.5246, 0.3049,
0.4946


 76.5246, 0.3049,
0.4946


 74.3377, 0.3033,
0.5290


 79.3684, 0.3066,
0.4584


 72.7466, 0.3019,
0.5588

 82.9055, 0.3083,
0.4228

 71.6954, 0.3009,
0.5812

 87.1809, 0.3099,
0.3895

 71.1129, 0.3002,
0.5947

 92.2330, 0.3113,
0.3595

 70.8947, 0.3000,
0.6000

 98.0976, 0.3125,
0.3330

99.3743, 0.3128,
0.3281

Harmonies

Analogous

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



76.5246, 0.3922, 0.4972



76.5246, 0.3049, 0.4946



76.5246, 0.2244, 0.4166

Triad

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



76.5246, 0.3049, 0.4946



76.5246, 0.1714, 0.1976



76.5246, 0.4737, 0.3157

Complementary

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



76.5246, 0.3049, 0.4946



42.3653, 0.3186, 0.2051

Split Complementary

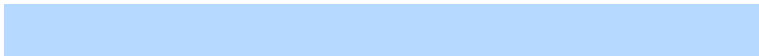
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5246, 0.3944, 0.2574



76.5246, 0.3049, 0.4946



76.5246, 0.2182, 0.1926

Square

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



76.5246, 0.3049, 0.4946



76.5246, 0.1561, 0.2347



76.5246, 0.2968, 0.2139



76.5246, 0.4979, 0.3807

Rectangle

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



76.5246, 0.3049, 0.4946



76.5246, 0.1859, 0.3449



76.5246, 0.2968, 0.2139



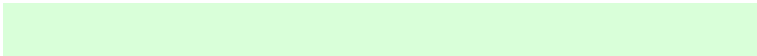
76.5246, 0.4521, 0.2952

Sweetspot

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



76.5278, 0.3049, 0.4946



91.2317, 0.3108, 0.3692



93.3959, 0.3882, 0.4538



19.2953, 0.3105, 0.3755



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.



76.5278, 0.3049, 0.4946



74.9193, 0.3032, 0.5303



78.7484, 0.2750, 0.4107



20.1684, 0.3116, 0.3536



37.3711, 0.3000, 0.6000



3.6388, 0.3000, 0.5998

Inverse Universe

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



42.3653, 0.3186, 0.2051



37.0032, 0.3195, 0.1861



38.8654, 0.3849, 0.2621



18.3002, 0.3138, 0.3056



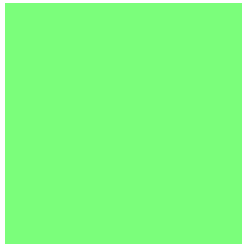
14.8750, 0.3211, 0.1543



1.4484, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 76.5246, 0.3049, 0.4946 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 76.5246, 0.3049, 0.4946 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

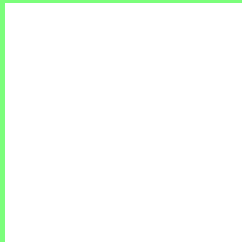
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5246, 0.3049, 0.4946

Background



This preview shows how black text looks on a background with the Yxy color 76.5246, 0.3049, 0.4946.

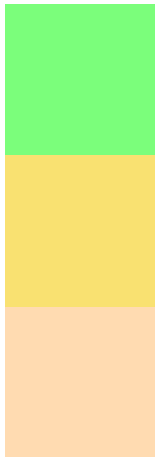


This preview shows how white text looks on a background with the Yxy color 76.5246, 0.3049, 0.4946.

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

76.5246, 0.3049, 0.4946

Protanopia

75.1824, 0.4042, 0.4406

Deuteranopia

75.0974, 0.3693, 0.3722



Tritanopia

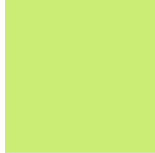
76.1556, 0.2592, 0.3098

Trichromacy



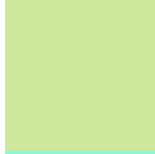
Original Color

76.5246, 0.3049, 0.4946



Protanomaly

73.9718, 0.3618, 0.4627



Deuteranomaly

73.4129, 0.3429, 0.4149



Tritanomaly

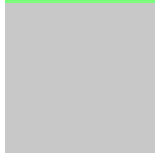
75.5023, 0.2764, 0.3738

Monochromacy



Original Color

76.5246, 0.3049, 0.4946



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.9356, 0.3099, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5246, 0.3049, 0.4946 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(123, 254, 123)` looks like.

```
.text, #text, p{  
    color:rgb(123, 254, 123)  
}
```

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(123, 254, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 254, 123) }
```

Border

The CSS property to change the border of an element to Yxy 76.5246, 0.3049, 0.4946 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(123, 254, 123) }
```

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

```
.border{ border-color:rgb(123, 254, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 254, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 254, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 254, 123);  
box-shadow:4px 4px 4px 4px rgb(123, 254,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5246, 0.3049, 0.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 254, 123) }
```

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

```
.background{ background-color: rgb(123,  
254, 123) }
```

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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