

Converting Colors

Yxy(76.9954, 0.2979, 0.4846)

Have a look what the booklet for
Yxy(76.9954, 0.2979, 0.4846)
contains.

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Color

Yxy(76.9954, 0.2979, 0.4846)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 75FF85 |
| RGB | 117, 255, 133 |
| RGB Percent | 46%, 100%, 52% |
| CMY | 0.5411, 0.0000, 0.4784 |
| CMYK | 0.54, 0.00, 0.48, 0.00 |
| HSL | 127°, 100%, 73% |
| HSV | 127°, 54%, 100% |
| XYZ | 47.3317, 76.9954, 34.5574 |
| YIQ | 199.8300, -43.0860, -67.1980 |

Conversions

Conversions Part 2

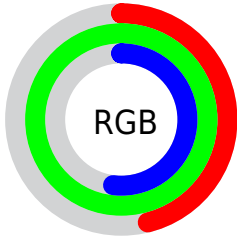
| Format | Color |
|-------------------------------------|--|
| RYB | 117, 241, 255 |
| Decimal | 7733125 |
| CIELab | 90.32, -61.96, 46.89 |
| CIElCh | 90, 77.699, 142.884 |
| Yxy | 76.9954, 0.2979, 0.4846 |
| Android (android.graphics.Color) | 4285923205 (0xFF75FF85) |
| YUV | 199.8300, -32.9472, -72.6419 |
| Hunter-Lab | 87.7470, -57.2725, 38.0728 |

Details

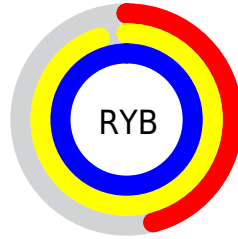
The Yxy color **76.9954, 0.2979, 0.4846** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **40.2202, 0.3334, 0.2122**, and the grayscale version is **57.8789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6158, 0.3033, 0.4060**, and **41.1401, 0.2898, 0.5267** is the 20% darker color. If you saturate the color by 10%, you get **74.9065, 0.2964, 0.5168**, and if you desaturate by 10%, it is **79.7020, 0.3001, 0.4515**.

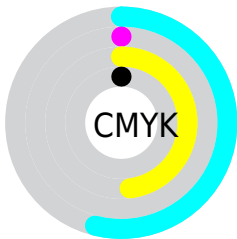
Distribution



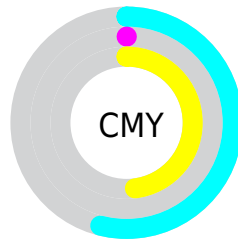
- Red (46%)
- Green (100%)
- Blue (52%)



- Red (46%)
- Yellow (95%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9954, 0.2979, 0.4846 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 76.9954, 0.2979, 0.4846 by changing the saturation by 10% instead.


 76.9954, 0.2979,
0.4846


 76.9954, 0.2979,
0.4846

484.7483, 0.3085,
0.4077


 57.2491, 0.2944,
0.5031

 129.1330, 0.3024,
0.4571

 41.2053, 0.2896,
0.5262


 162.2931, 0.3039,
0.4466

 28.4795, 0.2826,
0.5560


 200.6932, 0.3051,
0.4377

 18.6874, 0.2718,
0.5951

244.7178, 0.3060,
0.4300

 11.4446, 0.2544,
0.6480

294.7512, 0.3068,
0.4234

 6.3667, 0.2274,
0.7294


351.1778, 0.3075,


 3.0693, 0.1693,


0.4175


0.8307


414.3821, 0.3080,
0.4123


 1.1680, 0.0000,
1.0000


 0.0354, 0.0000,
1.0000

 76.9954, 0.2979,
0.4846


 76.9954, 0.2979,
0.4846


 74.9065, 0.2964,
0.5168

 79.7020, 0.3001,
0.4515


 73.3821, 0.2958,
0.5459


 83.0652, 0.3027,
0.4194


 72.3675, 0.2962,
0.5697

 87.1261, 0.3056,
0.3894

 71.7948, 0.2973,
0.5866

 91.9210, 0.3086,
0.3622

 71.6114, 0.2981,
0.5932

 97.4838, 0.3115,
0.3380

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.



76.9954, 0.3832, 0.4948



76.9954, 0.2979, 0.4846



76.9954, 0.2212, 0.4044

Triad

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



76.9954, 0.2979, 0.4846



76.9954, 0.1779, 0.1995



76.9954, 0.4734, 0.3222

Complementary

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



76.9954, 0.2979, 0.4846



40.2202, 0.3334, 0.2122

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.



76.9954, 0.4004, 0.2642



76.9954, 0.2979, 0.4846



76.9954, 0.2267, 0.1969

Square

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



76.9954, 0.2979, 0.4846



76.9954, 0.1601, 0.2328



76.9954, 0.3058, 0.2199



76.9954, 0.4917, 0.3863

Rectangle

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



76.9954, 0.2979, 0.4846



76.9954, 0.1855, 0.3355



76.9954, 0.3058, 0.2199



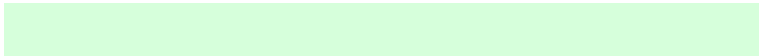
76.9954, 0.4540, 0.3019

Sweetspot

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



76.9969, 0.2979, 0.4846



90.9568, 0.3080, 0.3671



91.5412, 0.3816, 0.4638



19.2504, 0.3074, 0.3726



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.



76.9969, 0.2979, 0.4846



74.7486, 0.2963, 0.5195



79.4645, 0.2675, 0.3973



20.2024, 0.3100, 0.3507



37.4293, 0.2977, 0.5917



3.6548, 0.2936, 0.5770

Inverse Universe

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



40.2202, 0.3334, 0.2122



34.4909, 0.3384, 0.1947



36.9740, 0.4067, 0.2730



18.2620, 0.3156, 0.3082



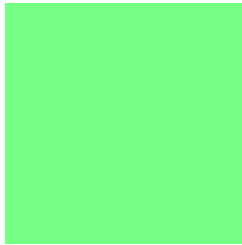
13.9770, 0.3525, 0.1716



1.3707, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 76.9954, 0.2979, 0.4846 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 76.9954, 0.2979, 0.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

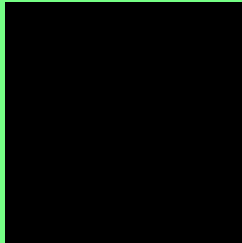
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9954, 0.2979, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 76.9954, 0.2979, 0.4846.

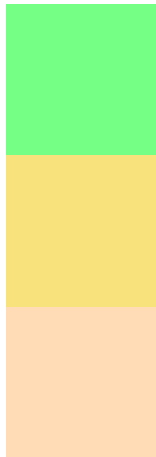


This preview shows how white text looks on a background with the Yxy color 76.9954, 0.2979, 0.4846.

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

76.9954, 0.2979, 0.4846

Protanopia

75.7792, 0.3971, 0.4331

Deuteranopia

75.7826, 0.3661, 0.3691



Tritanopia

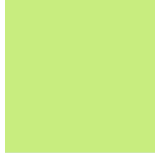
76.1556, 0.2592, 0.3098

Trichromacy



Original Color

76.9954, 0.2979, 0.4846



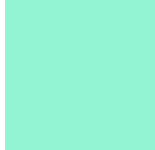
Protanomaly

74.3800, 0.3539, 0.4544



Deuteranomaly

73.9373, 0.3369, 0.4082



Tritanomaly

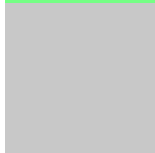
75.5155, 0.2733, 0.3688

Monochromacy



Original Color

76.9954, 0.2979, 0.4846



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.8670, 0.3060, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9954, 0.2979, 0.4846 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(117, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 133)  
}
```

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(117, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 76.9954, 0.2979, 0.4846 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(117, 255, 133) }
```

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

```
.border{ border-color:rgb(117, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 255, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 255, 133); box-shadow:4px 4px 4px 4px rgb(117, 255, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9954, 0.2979, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 133) }
```

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

```
.background{ background-color: rgb(117,  
255, 133) }
```

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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