

Converting Colors

Yxy(77.5554, 0.2901, 0.4618)

Have a look what the booklet for
Yxy(77.5554, 0.2901, 0.4618)
contains.

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Color

Yxy(77.5363, 0.2900, 0.4618)

Conversions

Conversions Part 1

Format	Color
Hex	75FF97
RGB	117, 255, 151
RGB Percent	46%, 100%, 59%
CMY	0.5408, 0.0000, 0.4079
CMYK	0.54, 0.00, 0.41, 0.00
HSL	135°, 100%, 73%
HSV	135°, 54%, 100%
XYZ	48.6911, 77.5363, 41.6728
YIQ	201.8820, -48.8640, -61.6000

Conversions

Conversions Part 2

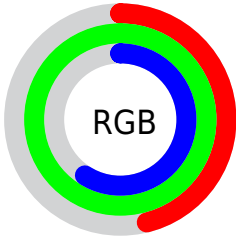
Format	Color
RYB	117, 228, 255
Decimal	7733143
CIELab	90.57, -59.27, 38.53
CIELCh	91, 70.692, 146.974
Yxy	77.5363, 0.2900, 0.4618
Android (android.graphics.Color)	4285923223 (0xFF75FF97)
YUV	201.8820, -25.0848, -74.4415
Hunter-Lab	88.0547, -55.3917, 33.5787

Details

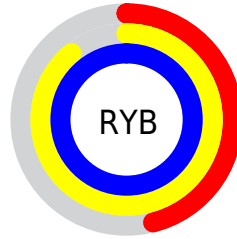
The Yxy color **77.5363, 0.2900, 0.4618** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **39.2308, 0.3512, 0.2271**, and the grayscale version is **59.1839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4412, 0.2938, 0.3846**, and **41.4863, 0.2811, 0.4966** is the 20% darker color. If you saturate the color by 10%, you get **75.4307, 0.2881, 0.4908**, and if you desaturate by 10%, it is **80.2313, 0.2930, 0.4330**.

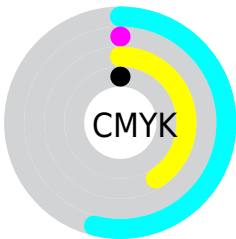
Distribution



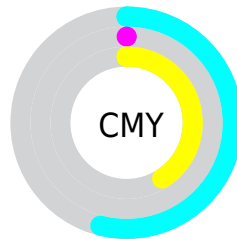
- Red (46%)
- Green (100%)
- Blue (59%)



- Red (46%)
- Yellow (89%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5363, 0.2900, 0.4618 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 77.5363, 0.2900, 0.4618 by changing the saturation by 10% instead.


 77.5363, 0.2900,
0.4618


 77.5363, 0.2900,
0.4618


486.5906, 0.3031,
0.3964


 57.6931, 0.2863,
0.4776


 129.8962, 0.2951,
0.4384

 41.5620, 0.2814,
0.4975

 163.1818, 0.2969,
0.4295

 28.7585, 0.2746,
0.5231


 201.7170, 0.2984,
0.4219

 18.8982, 0.2646,
0.5574

245.8862, 0.2997,
0.4154

 11.5967, 0.2493,
0.6049

296.0737, 0.3007,
0.4097

 6.4697, 0.2239,
0.6730


352.6640, 0.3016,


 3.1327, 0.1863,


0.4047


0.8137

416.0415, 0.3024,
0.4003


 1.2014, 0.0000,
1.0000


 0.0629, 0.0000,
1.0000

 77.5363, 0.2900,
0.4618

 77.5363, 0.2900,
0.4618


 75.4307, 0.2881,
0.4908


 80.2313, 0.2930,
0.4330


 73.8600, 0.2877,
0.5187


 83.5462, 0.2969,
0.4055


 72.7754, 0.2887,
0.5437

 87.5208, 0.3013,
0.3801

 72.1143, 0.2911,
0.5645

 92.1888, 0.3060,
0.3571

 71.8718, 0.2929,
0.5745

 97.5815, 0.3108,
0.3366

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



77.5363, 0.3689, 0.4822



77.5363, 0.2900, 0.4618



77.5363, 0.2216, 0.3846

Triad

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



77.5363, 0.2900, 0.4618



77.5363, 0.1926, 0.2077



77.5363, 0.4643, 0.3322

Complementary

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



77.5363, 0.2900, 0.4618



39.2308, 0.3512, 0.2271

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.



77.5363, 0.4036, 0.2765



77.5363, 0.2900, 0.4618



77.5363, 0.2424, 0.2083

Square

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



77.5363, 0.2900, 0.4618



77.5363, 0.1720, 0.2353



77.5363, 0.3185, 0.2328



77.5363, 0.4748, 0.3924

Rectangle

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



77.5363, 0.2900, 0.4618



77.5363, 0.1909, 0.3238



77.5363, 0.3185, 0.2328



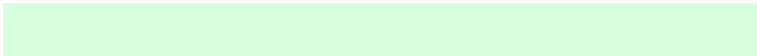
77.5363, 0.4489, 0.3128

Sweetspot

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



77.5395, 0.2900, 0.4618



91.2404, 0.3051, 0.3613



88.4626, 0.3687, 0.4703



19.3171, 0.3041, 0.3660



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.



77.5395, 0.2900, 0.4618



75.2676, 0.2880, 0.4935



80.3790, 0.2592, 0.3735



20.2414, 0.3082, 0.3474



37.5760, 0.2922, 0.5719



3.6751, 0.2864, 0.5509

Inverse Universe

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



39.2308, 0.3512, 0.2271



33.3149, 0.3618, 0.2115



36.3336, 0.4293, 0.2919



18.2196, 0.3176, 0.3112



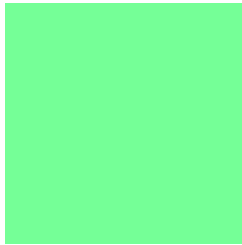
13.1299, 0.3950, 0.1950



1.2957, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 77.5363, 0.2900, 0.4618 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 77.5363, 0.2900, 0.4618 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 77.5363, 0.2900, 0.4618

Background



This preview shows how black text looks on a background with the Yxy color 77.5363, 0.2900, 0.4618.

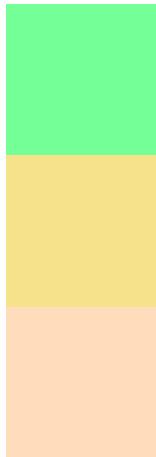


This preview shows how white text looks on a background with the Yxy color 77.5363, 0.2900, 0.4618.

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

77.5363, 0.2900, 0.4618

Protanopia

76.0603, 0.3859, 0.4176

Deuteranopia

76.0343, 0.3618, 0.3629



Tritanopia

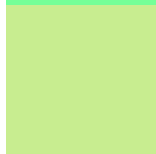
76.9523, 0.2604, 0.3110

Trichromacy



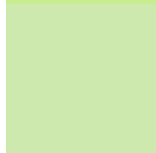
Original Color

77.5363, 0.2900, 0.4618



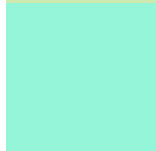
Protanomaly

74.8614, 0.3444, 0.4360



Deuteranomaly

74.3130, 0.3306, 0.3966



Tritanomaly

76.6105, 0.2715, 0.3624

Monochromacy



Original Color

77.5363, 0.2900, 0.4618



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.7897, 0.3022, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5363, 0.2900, 0.4618 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 151) }
```

Border

The CSS property to change the border of an element to Yxy 77.5363, 0.2900, 0.4618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

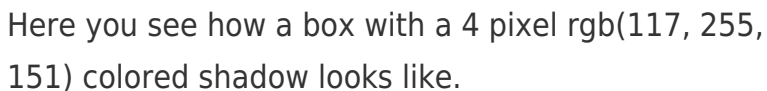
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 255, 151) }
```

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

```
.border{ border-color:rgb(117, 255, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 255, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 255, 151); box-shadow:4px 4px 4px 4px rgb(117, 255, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5363, 0.2900, 0.4618 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, 151) }
```

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

```
.background{ background-color: rgb(117,  
255, 151) }
```

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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