

Converting Colors

Yxy(74.5486, 0.2839, 0.4978)

Have a look what the booklet for
Yxy(74.5486, 0.2839, 0.4978)
contains.

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Color

Yxy(74.5344, 0.2840, 0.4983)

Conversions

Conversions Part 1

Format	Color
Hex	4AFF80
RGB	74, 255, 128
RGB Percent	29%, 100%, 50%
CMY	0.7097, 0.0000, 0.4981
CMYK	0.71, 0.00, 0.50, 0.00
HSL	138°, 100%, 65%
HSV	138°, 71%, 100%
XYZ	42.4800, 74.5344, 32.5630
YIQ	186.4030, -67.1090, -77.8690

Conversions

Conversions Part 2

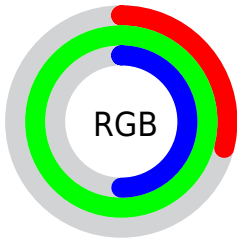
Format	Color
RYB	74, 213, 255
Decimal	4915072
CIELab	89.17, -71.05, 47.59
CIELCh	89, 85.519, 146.188
Yxy	74.5344, 0.2840, 0.4983
Android (android.graphics.Color)	4283105152 (0xFF4AFF80)
YUV	186.4030, -28.7927, -98.5774
Hunter-Lab	86.3333, -63.2531, 38.0705

Details

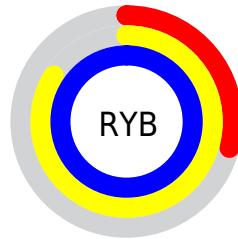
The Yxy color **74.5344, 0.2840, 0.4983** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **30.3779, 0.3795, 0.2126**, and the grayscale version is **49.5347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8682, 0.2875, 0.4165**, and **40.4405, 0.2831, 0.5391** is the 20% darker color. If you saturate the color by 10%, you get **73.2887, 0.2846, 0.5237**, and if you desaturate by 10%, it is **76.2733, 0.2851, 0.4713**.

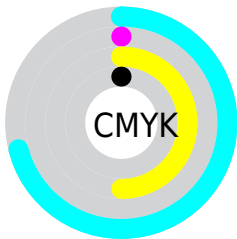
Distribution



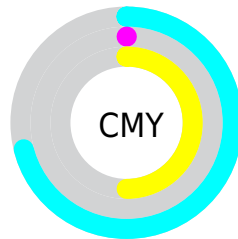
- Red (29%)
- Green (100%)
- Blue (50%)



- Red (29%)
- Yellow (84%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5344, 0.2840, 0.4983 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 74.5344, 0.2840, 0.4983 by changing the saturation by 10% instead.


 74.5344, 0.2840,
0.4983

 74.5344, 0.2840,
0.4983


476.3157, 0.3016,
0.4135


 55.2315, 0.2788,
0.5190


 125.6531, 0.2910,
0.4677

 39.5871, 0.2717,
0.5450

 158.2377, 0.2935,
0.4562

 27.2168, 0.2617,
0.5786


 196.0183, 0.2955,
0.4463

 17.7361, 0.2469,
0.6231

 239.3793, 0.2972,
0.4379

 10.7607, 0.2239,
0.6832

288.7052, 0.2985,
0.4306

 5.9062, 0.1909,
0.7840


344.3803, 0.2997,

 2.7881, 0.0922,

0.4242

0.9078


406.7890, 0.3007,
0.4185


 1.0221, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.5344, 0.2840,
0.4983


 74.5344, 0.2840,
0.4983


 73.2887, 0.2846,
0.5237


 76.2733, 0.2851,
0.4713


 72.4784, 0.2868,
0.5462

 78.5533, 0.2877,
0.4439


 72.0424, 0.2898,
0.5632


 81.4167, 0.2914,
0.4174

 84.9017, 0.2960,
0.3925

 89.0428, 0.3012,
0.3696

 93.8721, 0.3067,
0.3490

 99.4196, 0.3122,
0.3307

 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.



74.5344, 0.3772, 0.5151



74.5344, 0.2840, 0.4983



74.5344, 0.2035, 0.4003

Triad

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



74.5344, 0.2840, 0.4983



74.5344, 0.1702, 0.1859



74.5344, 0.4965, 0.3268

Complementary

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



74.5344, 0.2840, 0.4983



30.3779, 0.3795, 0.2126

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.



74.5344, 0.4208, 0.2639



74.5344, 0.2840, 0.4983



74.5344, 0.2260, 0.1870

Square

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



74.5344, 0.2840, 0.4983



74.5344, 0.1476, 0.2166



74.5344, 0.3156, 0.2145



74.5344, 0.5074, 0.3957

Rectangle

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



74.5344, 0.2840, 0.4983



74.5344, 0.1684, 0.3227



74.5344, 0.3156, 0.2145



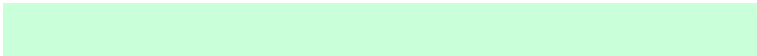
74.5344, 0.4776, 0.3049

Sweetspot

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



74.5345, 0.2840, 0.4983



89.0315, 0.3012, 0.3696



84.8125, 0.3719, 0.5102



18.7973, 0.2997, 0.3757



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.



74.5345, 0.2840, 0.4983



72.9138, 0.2853, 0.5332



77.9232, 0.2473, 0.3782



20.2573, 0.3075, 0.3461



37.6665, 0.2890, 0.5604



3.6857, 0.2828, 0.5382

Inverse Universe

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



30.3779, 0.3795, 0.2126



26.3960, 0.3975, 0.2046



27.3568, 0.5044, 0.2956



18.2026, 0.3184, 0.3125



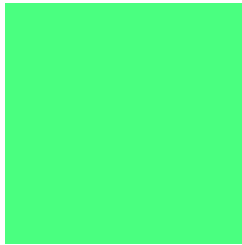
12.8362, 0.4142, 0.2055



1.2691, 0.4009, 0.1982

Previews

White Background



This preview shows how the Yxy color 74.5344, 0.2840, 0.4983 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 74.5344, 0.2840, 0.4983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

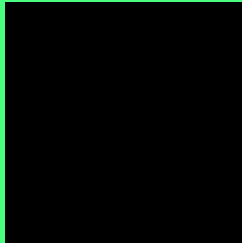
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.5344, 0.2840, 0.4983

Background



This preview shows how black text looks on a background with the Yxy color 74.5344, 0.2840, 0.4983.

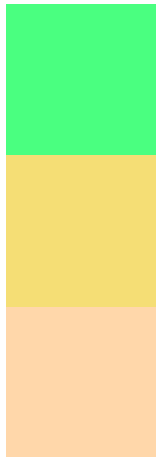


This preview shows how white text looks on a background with the Yxy color 74.5344, 0.2840, 0.4983.

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

74.5344, 0.2840, 0.4983

Protanopia

72.9394, 0.4004, 0.4360

Deuteranopia

72.7632, 0.3756, 0.3755



Tritanopia

73.8580, 0.2481, 0.3092

Trichromacy



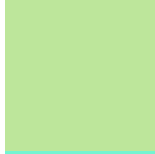
Original Color

74.5344, 0.2840, 0.4983



Protanomaly

70.2934, 0.3457, 0.4637



Deuteranomaly

69.7790, 0.3314, 0.4190



Tritanomaly

72.9497, 0.2604, 0.3730

Monochromacy



Original Color

74.5344, 0.2840, 0.4983



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.3249, 0.2958, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5344, 0.2840, 0.4983 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(74, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 128)  
}
```

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(74, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 74.5344, 0.2840, 0.4983 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(74, 255, 128) }
```

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

```
.border{ border-color:rgb(74, 255, 128) }
```

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

Here you see how a box with a 4 pixel rgb(74, 255, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5344, 0.2840, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 128) }
```

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

```
.background{ background-color: rgb(74, 255,  
128) }
```

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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