

Converting Colors

Yxy(74.6645, 0.3330, 0.4861)

Have a look what the booklet for
Yxy(74.6645, 0.3330, 0.4861)
contains.

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Color

Yxy(74.4351, 0.3329, 0.4853)

Conversions

Conversions Part 1

Format	Color
Hex	A4F573
RGB	164, 245, 115
RGB Percent	64%, 96%, 45%
CMY	0.3567, 0.0392, 0.5492
CMYK	0.33, 0.00, 0.53, 0.04
HSL	97°, 87%, 71%
HSV	97°, 53%, 96%
XYZ	51.0601, 74.4351, 27.8844
YIQ	205.9610, -6.5460, -57.6020

Conversions

Conversions Part 2

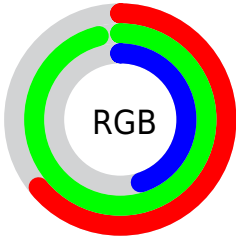
Format	Color
RYB	115, 245, 196
Decimal	10810739
CIELab	89.13, -46.68, 54.25
CIELCh	89, 71.564, 130.710
Yxy	74.4351, 0.3329, 0.4853
Android (android.graphics.Color)	4289000819 (0xFFA4F573)
YUV	205.9610, -44.8438, -36.7998
Hunter-Lab	86.2758, -45.3421, 41.2305

Details

The Yxy color **74.4351, 0.3329, 0.4853** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.5730, 0.2735, 0.1844**, and the grayscale version is **61.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9519, 0.3408, 0.4191**, and **39.4292, 0.3317, 0.5255** is the 20% darker color. If you saturate the color by 10%, you get **72.4201, 0.3334, 0.5152**, and if you desaturate by 10%, it is **76.8011, 0.3308, 0.4537**.

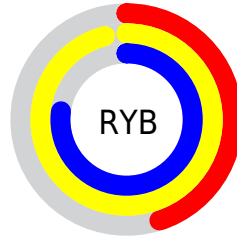
Distribution



Red (64%)

Green (96%)

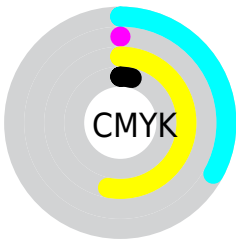
Blue (45%)



Red (45%)

Yellow (96%)

Blue (77%)

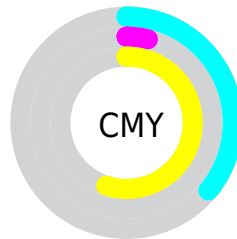


Cyan (33%)

Magenta (0%)

Yellow (53%)

Black (4%)



Cyan (36%)


Magenta (4%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4351, 0.3329, 0.4853 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 74.4351, 0.3329, 0.4853 by changing the saturation by 10% instead.


 74.4351, 0.3329,
0.4853

 74.4351, 0.3329,
0.4853


475.9737, 0.3278,
0.4093

 55.1502, 0.3327,
0.5031


 125.5124, 0.3321,
0.4585

 39.5220, 0.3318,
0.5250


 158.0736, 0.3315,
0.4482

 27.1661, 0.3293,
0.5526


 195.8291, 0.3309,
0.4393

 17.6980, 0.3238,
0.5878

239.1632, 0.3302,
0.4317

 10.7334, 0.3123,
0.6332

288.4603, 0.3296,
0.4250

 5.8878, 0.2944,
0.7056


344.1048, 0.3289,

 2.7770, 0.2393,


0.4191


0.7607


406.4811, 0.3283,
0.4139


 1.0164, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.4351, 0.3329,
0.4853


 74.4351, 0.3329,
0.4853


 72.4201, 0.3334,
0.5152


 76.8011, 0.3308,
0.4537


 70.7274, 0.3322,
0.5414


 79.5257, 0.3276,
0.4220

 69.3389, 0.3290,
0.5624

 82.6283, 0.3235,
0.3914

 68.2299, 0.3243,
0.5770

 86.1238, 0.3190,
0.3628

 67.6038, 0.3205,
0.5838

 90.0263, 0.3142,
0.3365

 93.7853, 0.3132,
0.3194

Harmonies

Analogous

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



74.4351, 0.4102, 0.4720



74.4351, 0.3329, 0.4853



74.4351, 0.2544, 0.4345

Triad

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



74.4351, 0.3329, 0.4853



74.4351, 0.1750, 0.2162



74.4351, 0.4398, 0.3002

Complementary

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



74.4351, 0.3329, 0.4853



30.5730, 0.2735, 0.1844

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.



74.4351, 0.3592, 0.2491



74.4351, 0.3329, 0.4853



74.4351, 0.2095, 0.2021

Square

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



74.4351, 0.3329, 0.4853



74.4351, 0.1700, 0.2622



74.4351, 0.2735, 0.2144



74.4351, 0.4800, 0.3597

Rectangle

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



74.4351, 0.3329, 0.4853



74.4351, 0.2124, 0.3742



74.4351, 0.2735, 0.2144



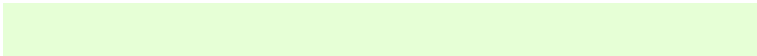
74.4351, 0.4158, 0.2818

Sweetspot

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



74.4383, 0.3329, 0.4853



93.1414, 0.3203, 0.3710



59.7488, 0.4170, 0.4132



19.7651, 0.3213, 0.3769



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.



74.4383, 0.3329, 0.4853



79.0988, 0.3334, 0.5182



70.5631, 0.2981, 0.4807



18.7766, 0.3173, 0.3531



36.4922, 0.3216, 0.5829



3.2641, 0.3312, 0.5752

Inverse Universe

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



30.5730, 0.2735, 0.1844



26.2321, 0.2624, 0.1566



37.3698, 0.3330, 0.2144



16.4378, 0.3077, 0.3052



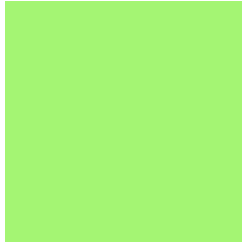
7.2582, 0.2282, 0.1031



0.6966, 0.2397, 0.1094

Previews

White Background



This preview shows how the Yxy color 74.4351, 0.3329, 0.4853 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 74.4351, 0.3329, 0.4853 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

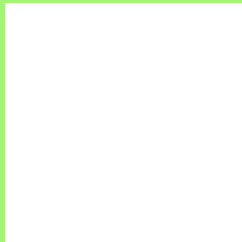
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.4351, 0.3329, 0.4853

Background



This preview shows how black text looks on a background with the Yxy color 74.4351, 0.3329, 0.4853.

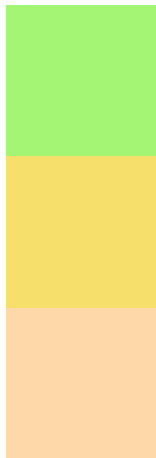


This preview shows how white text looks on a background with the Yxy color 74.4351, 0.3329, 0.4853.

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

74.4351, 0.3329, 0.4853

Protanopia

73.6322, 0.4065, 0.4438

Deuteranopia

73.2363, 0.3760, 0.3775



Tritanopia

74.3057, 0.2731, 0.3090

Trichromacy



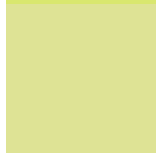
Original Color

74.4351, 0.3329, 0.4853



Protanomaly

73.0512, 0.3775, 0.4592



Deuteranomaly

72.6377, 0.3605, 0.4156



Tritanomaly

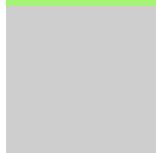
73.5081, 0.2960, 0.3716

Monochromacy



Original Color

74.4351, 0.3329, 0.4853



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.2799, 0.3229, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4351, 0.3329, 0.4853 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(164, 245, 115)` looks like.

```
.text, #text, p{  
    color:rgb(164, 245, 115)  
}
```

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(164, 245, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 245, 115) }
```

Border

The CSS property to change the border of an element to Yxy 74.4351, 0.3329, 0.4853 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(164, 245, 115) }
```

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

```
.border{ border-color:rgb(164, 245, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 245, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 245, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 245, 115); box-shadow:4px 4px 4px 4px rgb(164, 245, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4351, 0.3329, 0.4853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 245, 115) }
```

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

```
.background{ background-color: rgb(164,  
245, 115) }
```

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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