

Converting Colors

Yxy(81.8738, 0.3348, 0.4843)

Have a look what the booklet for
Yxy(81.8738, 0.3348, 0.4843)
contains.

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Color

Yxy(81.8747, 0.3348, 0.4843)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | AEFF78 |
| RGB | 174, 255, 120 |
| RGB Percent | 68%, 100%, 47% |
| CMY | 0.3177, 0.0000, 0.5295 |
| CMYK | 0.32, 0.00, 0.53, 0.00 |
| HSL | 96°, 100%, 74% |
| HSV | 96°, 53%, 100% |
| XYZ | 56.6006, 81.8747, 30.5826 |
| YIQ | 215.3910, -4.9410, -59.1570 |

Conversions

Conversions Part 2

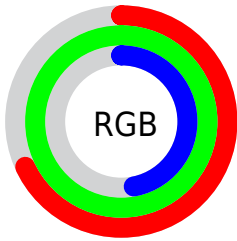
| Format | Color |
|-------------------------------------|--|
| RYB | 120, 255, 201 |
| Decimal | 11468664 |
| CIELab | 92.52, -47.10, 56.12 |
| CIElCh | 93, 73.267, 130.002 |
| Yxy | 81.8747, 0.3348, 0.4843 |
| Android (android.graphics.Color) | 4289658744 (0xFFAEFF78) |
| YUV | 215.3910, -47.0278, -36.2999 |
| Hunter-Lab | 90.4846, -46.6916, 43.3000 |

Details

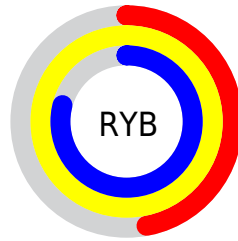
The Yxy color **81.8747, 0.3348, 0.4843** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.0670, 0.2709, 0.1834**, and the grayscale version is **68.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9388, 0.3453, 0.4118**, and **44.5634, 0.3342, 0.5222** is the 20% darker color. If you saturate the color by 10%, you get **79.6744, 0.3356, 0.5139**, and if you desaturate by 10%, it is **84.4336, 0.3324, 0.4529**.

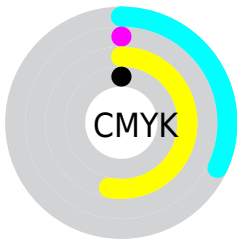
Distribution



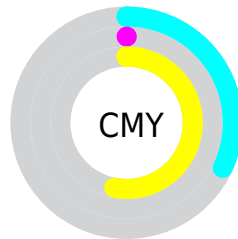
- Red (68%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (79%)



- Cyan (32%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (32%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8747, 0.3348, 0.4843 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 81.8747, 0.3348, 0.4843 by changing the saturation by 10% instead.


 81.8747, 0.3348,
0.4843

 81.8747, 0.3348,
0.4843


501.2285, 0.3289,
0.4101

 61.2623, 0.3349,
0.5013


 135.9983, 0.3338,
0.4584

 44.4369, 0.3342,
0.5221


 170.2782, 0.3331,
0.4484

 31.0141, 0.3323,
0.5480


 209.8827, 0.3323,
0.4397

 20.6096, 0.3278,
0.5807

255.1963, 0.3316,
0.4322

 12.8389, 0.3183,
0.6225

306.6032, 0.3309,
0.4257

 7.3177, 0.3066,
0.6934


364.4880, 0.3302,


 3.6616, 0.2589,

0.4199

0.7411

429.2349, 0.3295,
0.4147


 1.4861, 0.1014,
0.8986


 0.2789, 0.0000,
1.0000


 81.8747, 0.3348,
0.4843


 81.8747, 0.3348,
0.4843

 79.6744, 0.3356,
0.5139


 84.4336, 0.3324,
0.4529


 77.8222, 0.3345,
0.5399

 87.3792, 0.3288,
0.4214


 76.2924, 0.3315,
0.5606

 90.7249, 0.3243,
0.3910

 75.0588, 0.3268,
0.5751

 94.4868, 0.3194,
0.3624

 74.3433, 0.3228,
0.5819

 98.6795, 0.3142,
0.3362

100.0000, 0.3127,
0.3290

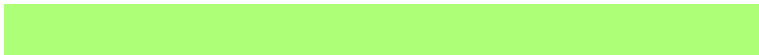
Harmonies

Analogous

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



81.8747, 0.4113, 0.4700



81.8747, 0.3348, 0.4843



81.8747, 0.2567, 0.4354

Triad

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



81.8747, 0.3348, 0.4843



81.8747, 0.1754, 0.2177



81.8747, 0.4372, 0.2991

Complementary

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



81.8747, 0.3348, 0.4843



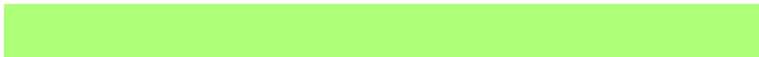
33.0670, 0.2709, 0.1834

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.



81.8747, 0.3567, 0.2486



81.8747, 0.3348, 0.4843



81.8747, 0.2091, 0.2030

Square

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



81.8747, 0.3348, 0.4843



81.8747, 0.1712, 0.2643



81.8747, 0.2720, 0.2146



81.8747, 0.4783, 0.3582

Rectangle

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



81.8747, 0.3348, 0.4843



81.8747, 0.2144, 0.3761



81.8747, 0.2720, 0.2146



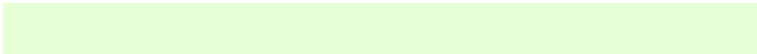
81.8747, 0.4132, 0.2809

Sweetspot

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



81.8715, 0.3348, 0.4843



93.2937, 0.3209, 0.3709



64.3855, 0.4183, 0.4110



19.8013, 0.3220, 0.3768



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.



81.8715, 0.3348, 0.4843



79.4637, 0.3356, 0.5168



77.2186, 0.2990, 0.4834



20.5225, 0.3176, 0.3531



38.9270, 0.3239, 0.5810



3.8517, 0.3327, 0.5740

Inverse Universe

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



33.0670, 0.2709, 0.1834



25.7529, 0.2591, 0.1551



41.0693, 0.3309, 0.2126



17.9168, 0.3074, 0.3051



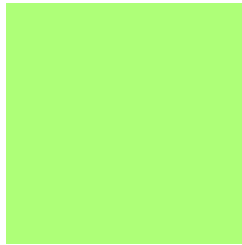
7.4018, 0.2230, 0.1002



0.7843, 0.2339, 0.1062

Previews

White Background



This preview shows how the Yxy color 81.8747, 0.3348, 0.4843 looks on a white background.

Color Contrast Check

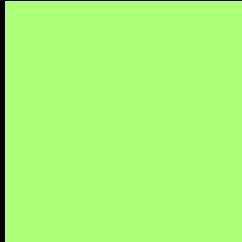
Large Text (above 18pt) WCAG AA × Fail

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 81.8747, 0.3348, 0.4843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

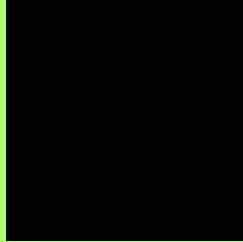
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

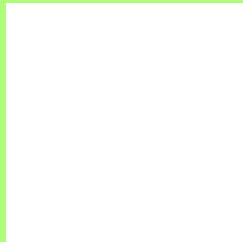
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8747, 0.3348, 0.4843

Background



This preview shows how black text looks on a background with the Yxy color 81.8747, 0.3348, 0.4843.

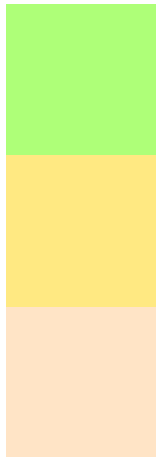


This preview shows how white text looks on a background with the Yxy color 81.8747, 0.3348, 0.4843.

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

81.8747, 0.3348, 0.4843

Protanopia

81.1495, 0.3949, 0.4307

Deuteranopia

80.8240, 0.3521, 0.3595



Tritanopia

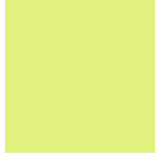
81.5096, 0.2805, 0.3120

Trichromacy



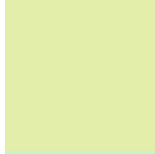
Original Color

81.8747, 0.3348, 0.4843



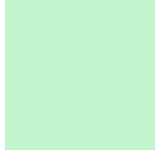
Protanomaly

80.5857, 0.3721, 0.4503



Deuteranomaly

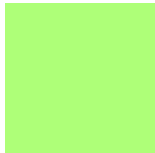
80.2201, 0.3472, 0.4025



Tritanomaly

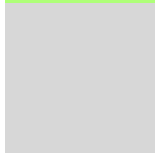
80.9675, 0.3019, 0.3730

Monochromacy



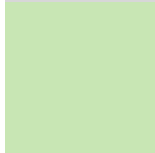
Original Color

81.8747, 0.3348, 0.4843



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.1683, 0.3237, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8747, 0.3348, 0.4843 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(174, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 120)  
}
```

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(174, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 120) }
```

Border

The CSS property to change the border of an element to Yxy 81.8747, 0.3348, 0.4843 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(174, 255, 120) }
```

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

```
.border{ border-color:rgb(174, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8747, 0.3348, 0.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 120) }
```

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

```
.background{ background-color: rgb(174,  
255, 120) }
```

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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