

Converting Colors

Yxy(91.0744, 0.3267, 0.4946)

Have a look what the booklet for
Yxy(91.0744, 0.3267, 0.4946)
contains.

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Color

Yxy(81.1406, 0.3296, 0.4844)

Conversions

Conversions Part 1

Format	Color
Hex	A7FF7A
RGB	167, 255, 122
RGB Percent	65%, 100%, 48%
CMY	0.3450, 0.0000, 0.5216
CMYK	0.35, 0.00, 0.52, 0.00
HSL	100°, 100%, 74%
HSV	100°, 52%, 100%
XYZ	55.2104, 81.1406, 31.1564
YIQ	213.5260, -9.7550, -60.0190

Conversions

Conversions Part 2

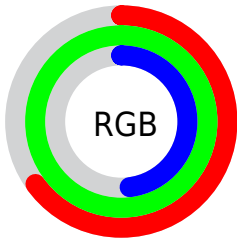
Format	Color
RYB	122, 255, 210
Decimal	11009914
CIELab	92.19, -49.17, 54.75
CIElCh	92, 73.586, 131.925
Yxy	81.1406, 0.3296, 0.4844
Android (android.graphics.Color)	4289199994 (0xFFA7FF7A)
YUV	213.5260, -45.1223, -40.8033
Hunter-Lab	90.0781, -48.2308, 42.5473

Details

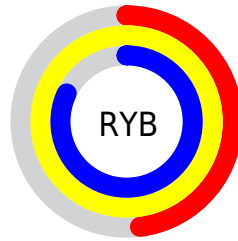
The Yxy color **81.1406, 0.3296, 0.4844** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.8304, 0.2788, 0.1883**, and the grayscale version is **67.2249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7019, 0.3388, 0.4111**, and **44.1205, 0.3281, 0.5233** is the 20% darker color. If you saturate the color by 10%, you get **78.8716, 0.3298, 0.5151**, and if you desaturate by 10%, it is **83.8175, 0.3280, 0.4521**.

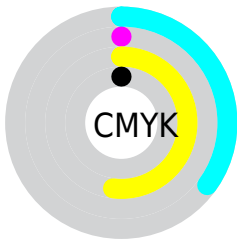
Distribution



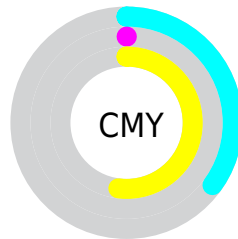
- Red (65%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (82%)



- Cyan (35%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1406, 0.3296, 0.4844 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 81.1406, 0.3296, 0.4844 by changing the saturation by 10% instead.


 81.1406, 0.3296,
0.4844


 81.1406, 0.3296,
0.4844


498.7685, 0.3260,
0.4098

 60.6574, 0.3292,
0.5016


 134.9682, 0.3293,
0.4582

 43.9487, 0.3280,
0.5228


 169.0813, 0.3289,
0.4481

 30.6302, 0.3253,
0.5493


 208.5066, 0.3285,
0.4394

 20.3174, 0.3200,
0.5831

253.6284, 0.3280,
0.4319

 12.6260, 0.3095,
0.6265

304.8311, 0.3275,
0.4253

 7.1715, 0.2956,
0.6992

362.4990, 0.3270,

 3.5696, 0.2469,

0.4195

0.7531

427.0167, 0.3265,
0.4144

1.4358, 0.0546,
0.9454

0.2429, 0.0000,
1.0000

81.1406, 0.3296,
0.4844

81.1406, 0.3296,
0.4844

78.8716, 0.3298,
0.5151

83.8175, 0.3280,
0.4521

76.9843, 0.3284,
0.5423


86.9191, 0.3252,
0.4199

75.4548, 0.3252,
0.5641

90.4656, 0.3217,
0.3891

74.2541, 0.3206,
0.5793

94.4749, 0.3178,
0.3604

 73.5143, 0.3164,
0.5870

 98.9636, 0.3136,
0.3343

100.0000, 0.3127,
0.3290

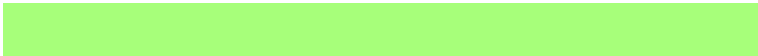
Harmonies

Analogous

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



81.1406, 0.4073, 0.4734



81.1406, 0.3296, 0.4844



81.1406, 0.2516, 0.4311

Triad

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



81.1406, 0.3296, 0.4844



81.1406, 0.1759, 0.2151



81.1406, 0.4423, 0.3025

Complementary

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



81.1406, 0.3296, 0.4844



34.8304, 0.2788, 0.1883

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.



81.1406, 0.3627, 0.2509



81.1406, 0.3296, 0.4844



81.1406, 0.2116, 0.2022

Square

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



81.1406, 0.3296, 0.4844



81.1406, 0.1697, 0.2597



81.1406, 0.2767, 0.2155



81.1406, 0.4803, 0.3622

Rectangle

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



81.1406, 0.3296, 0.4844



81.1406, 0.2103, 0.3703



81.1406, 0.2767, 0.2155



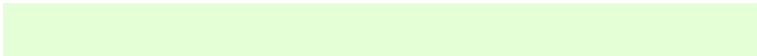
81.1406, 0.4189, 0.2840

Sweetspot

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



81.1419, 0.3296, 0.4844



92.8815, 0.3193, 0.3711



67.9927, 0.4126, 0.4162



19.7035, 0.3202, 0.3770



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.



81.1419, 0.3296, 0.4844



78.6996, 0.3298, 0.5175



77.6071, 0.2963, 0.4725



20.4669, 0.3167, 0.3532



38.4861, 0.3175, 0.5861



3.8045, 0.3260, 0.5793

Inverse Universe

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



34.8304, 0.2788, 0.1883



27.6512, 0.2690, 0.1615



41.1750, 0.3368, 0.2195



17.9744, 0.3083, 0.3052



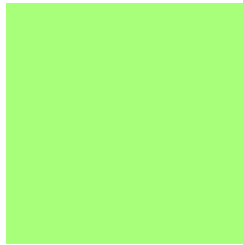
8.2463, 0.2369, 0.1079



0.8631, 0.2466, 0.1132

Previews

White Background



This preview shows how the Yxy color 81.1406, 0.3296, 0.4844 looks on a white background.

Color Contrast Check

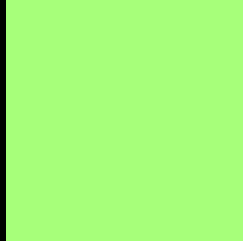
Large Text (above 18pt) WCAG AA × Fail

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 81.1406, 0.3296, 0.4844 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

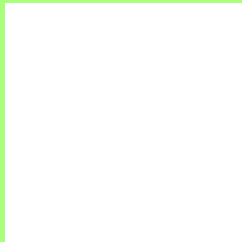
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1406, 0.3296, 0.4844

Background



This preview shows how black text looks on a background with the Yxy color 81.1406, 0.3296, 0.4844.



This preview shows how white text looks on a background with the Yxy color 81.1406, 0.3296, 0.4844.

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

81.1406, 0.3296, 0.4844

Protanopia

80.3784, 0.4000, 0.4368

Deuteranopia

80.1383, 0.3544, 0.3615



Tritanopia

80.8233, 0.2776, 0.3118

Trichromacy



Original Color

81.1406, 0.3296, 0.4844



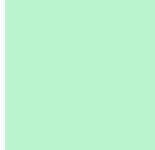
Protanomaly

79.4133, 0.3724, 0.4542



Deuteranomaly

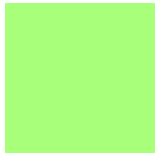
79.0835, 0.3465, 0.4043



Tritanomaly

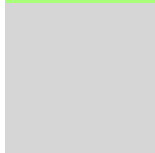
80.2489, 0.2977, 0.3723

Monochromacy



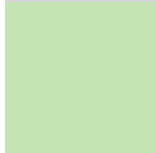
Original Color

81.1406, 0.3296, 0.4844



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2451, 0.3211, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1406, 0.3296, 0.4844 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(167, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 122)  
}
```

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(167, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 81.1406, 0.3296, 0.4844 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(167, 255, 122) }
```

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

```
.border{ border-color:rgb(167, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1406, 0.3296, 0.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 122) }
```

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

```
.background{ background-color: rgb(167,  
255, 122) }
```

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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