

# Converting Colors

Yxy(81.6885, 0.3203, 0.4624)

Have a look what the booklet for  
Yxy(81.6885, 0.3203, 0.4624)  
contains.

<b>Yxy(81.6885, 0.3203, 0.4624)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(81.6885, 0.3203, 0.4624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FF8E
RGB	167, 255, 142
RGB Percent	65%, 100%, 56%
CMY	0.3450, 0.0000, 0.4430
CMYK	0.34, 0.00, 0.44, 0.00
HSL	107°, 100%, 78%
HSV	107°, 44%, 100%
XYZ	56.5848, 81.6885, 38.3886
YIQ	215.8060, -16.1750, -53.7990

# Conversions

## Conversions Part 2

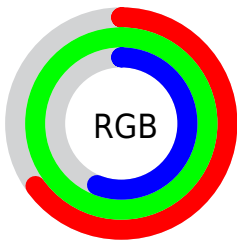
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 255, 230
Decimal	11009934
CIELab	92.44, -46.78, 45.67
CIELCh	92, 65.378, 135.688
Yxy	81.6885, 0.3203, 0.4624
Android (android.graphics.Color)	4289200014 (0xFFA7FF8E)
YUV	215.8060, -36.3864, -42.8029
Hunter-Lab	90.3817, -46.4153, 38.0844

# Details

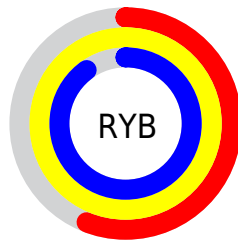
The Yxy color **81.6885, 0.3203, 0.4624** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.4004, 0.2965, 0.2132**, and the grayscale version is **68.7986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5588, 0.3273, 0.3898**, and **44.4889, 0.3188, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **79.0116, 0.3203, 0.4961**, and if you desaturate by 10%, it is **84.8797, 0.3194, 0.4287**.

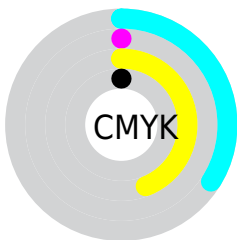
# Distribution



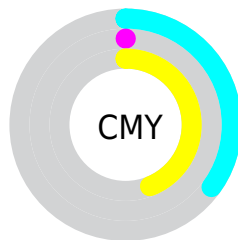
- Red (65%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (90%)



- Cyan (34%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6885, 0.3203, 0.4624 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 81.6885, 0.3203, 0.4624 by changing the saturation by 10% instead.





 81.6885, 0.3203,  
0.4624

 81.6885, 0.3203,  
0.4624


500.6051, 0.3197,  
0.3982

 61.1088, 0.3196,  
0.4774


 135.7371, 0.3207,  
0.4398

 44.3130, 0.3183,  
0.4960


 169.9748, 0.3207,  
0.4311

 30.9166, 0.3160,  
0.5197


209.5339, 0.3206,  
0.4236

 20.5354, 0.3116,  
0.5504

254.7989, 0.3205,  
0.4172

 12.7848, 0.3035,  
0.5913

306.1541, 0.3203,  
0.4115

 7.2805, 0.2879,  
0.6483


363.9840, 0.3201,


 3.6382, 0.2600,


0.4066


0.7400


428.6728, 0.3199,  
0.4021

 1.4733, 0.1016,  
0.8984


 0.2698, 0.0000,  
1.0000


 81.6885, 0.3203,  
0.4624


 81.6885, 0.3203,  
0.4624

 79.0116, 0.3203,  
0.4961

 84.8797, 0.3194,  
0.4287

 76.8114, 0.3191,  
0.5278

 88.5998, 0.3179,  
0.3965

 75.0613, 0.3169,  
0.5551

 92.8757, 0.3160,  
0.3666

 73.7279, 0.3136,  
0.5761

 97.7294, 0.3137,  
0.3397

■ 72.7722, 0.3095,  
0.5895

99.9996, 0.3127,  
0.3290

■ 72.3723, 0.3072,  
0.5943

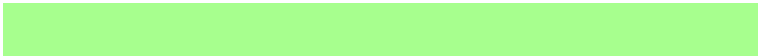
# Harmonies

## Analogous

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



81.6885, 0.3912, 0.4620



81.6885, 0.3203, 0.4624



81.6885, 0.2512, 0.4091

# Triad

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



81.6885, 0.3203, 0.4624



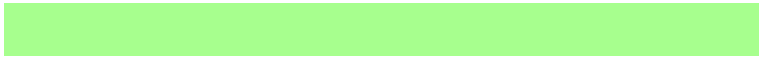
81.6885, 0.1914, 0.2238



81.6885, 0.4343, 0.3128

# Complementary

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



81.6885, 0.3203, 0.4624



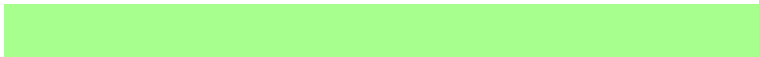
43.4004, 0.2965, 0.2132

# Split Complementary

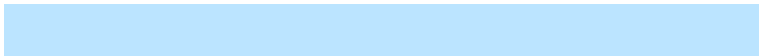
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6885, 0.3674, 0.2640



81.6885, 0.3203, 0.4624



81.6885, 0.2279, 0.2145

# Square

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



81.6885, 0.3203, 0.4624



81.6885, 0.1825, 0.2614



81.6885, 0.2900, 0.2292



81.6885, 0.4629, 0.3682



# Rectangle

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



81.6885, 0.3203, 0.4624



81.6885, 0.2156, 0.3556



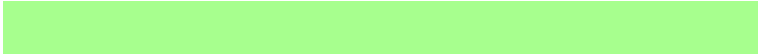
81.6885, 0.2900, 0.2292



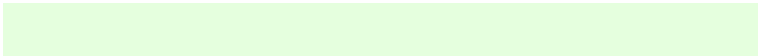
81.6885, 0.4152, 0.2955

# Sweetspot

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



81.6920, 0.3203, 0.4624



93.4742, 0.3157, 0.3630



79.0540, 0.3896, 0.4159



19.7913, 0.3161, 0.3692



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

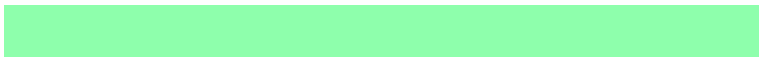
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6920, 0.3203, 0.4624



79.3328, 0.3203, 0.4918



80.2580, 0.2918, 0.4306



20.3618, 0.3149, 0.3533



37.8696, 0.3081, 0.5936



3.7329, 0.3153, 0.5879



# Inverse Universe

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



43.4004, 0.2965, 0.2132



36.6404, 0.2920, 0.1916



46.0456, 0.3446, 0.2460



18.0858, 0.3102, 0.3053



10.1563, 0.2653, 0.1235

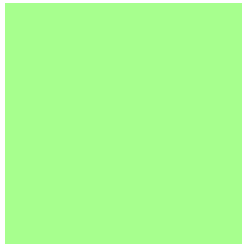


1.0365, 0.2720, 0.1272



# Previews

## White Background



This preview shows how the Yxy color 81.6885, 0.3203, 0.4624 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

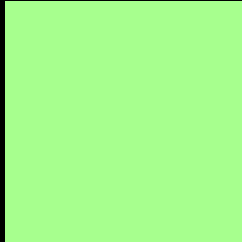
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6885, 0.3203, 0.4624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

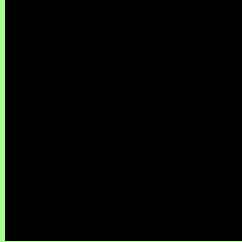
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

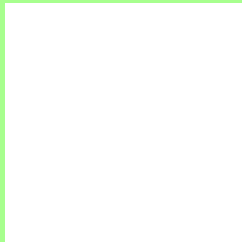
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.6885, 0.3203, 0.4624**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6885, 0.3203, 0.4624.

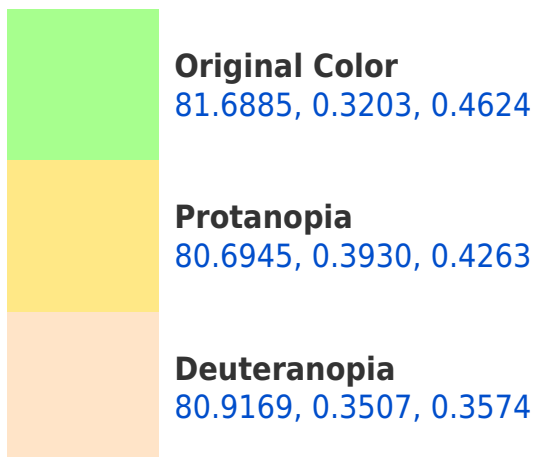


This preview shows how white text looks on a background with the Yxy color 81.6885, 0.3203, 0.4624.

# 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





## Tritanopia

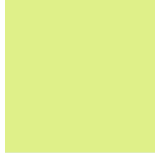
80.9588, 0.2781, 0.3119

# Trichromacy



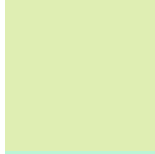
## Original Color

81.6885, 0.3203, 0.4624



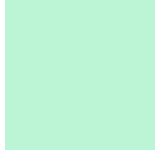
## Protanomaly

79.8143, 0.3642, 0.4397



## Deuteranomaly

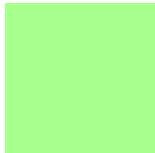
80.0917, 0.3394, 0.3932



## Tritanomaly

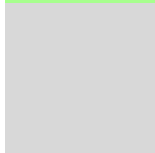
80.7247, 0.2944, 0.3640

# Monochromacy



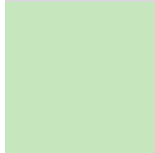
## Original Color

81.6885, 0.3203, 0.4624



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.2735, 0.3166, 0.3766

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6885, 0.3203, 0.4624 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6885, 0.3203, 0.4624 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, 142) }
```

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

```
.border{ border-color:rgb(167, 255, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 255, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 255, 142); box-shadow:4px 4px 4px 4px rgb(167, 255, 142) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6885, 0.3203, 0.4624 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, 142) }
```

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

```
.background{ background-color: rgb(167,  
255, 142) }
```

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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