

Converting Colors

Yxy(82.9671, 0.3286, 0.4860)

Have a look what the booklet for
Yxy(82.9671, 0.3286, 0.4860)
contains.

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Color

Yxy(81.1656, 0.3291, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	A7FF7B
RGB	167, 255, 123
RGB Percent	65%, 100%, 48%
CMY	0.3452, 0.0000, 0.5175
CMYK	0.35, 0.00, 0.52, 0.00
HSL	100°, 100%, 74%
HSV	100°, 52%, 100%
XYZ	55.2692, 81.1656, 31.5056
YIQ	213.6400, -10.0760, -59.7080

Conversions

Conversions Part 2

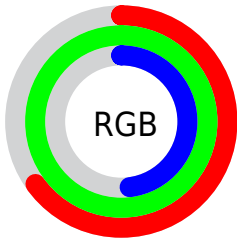
Format	Color
RYB	123, 255, 211
Decimal	11009915
CIELab	92.21, -49.07, 54.28
CIELCh	92, 73.168, 132.114
Yxy	81.1656, 0.3291, 0.4833
Android (android.graphics.Color)	4289199995 (0xFFA7FF7B)
YUV	213.6400, -44.6855, -40.9033
Hunter-Lab	90.0920, -48.1556, 42.3303

Details

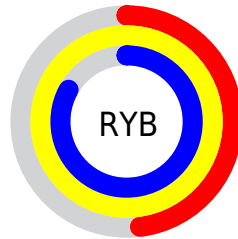
The Yxy color **81.1656, 0.3291, 0.4833** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **35.2562, 0.2798, 0.1896**, and the grayscale version is **67.2985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7419, 0.3382, 0.4101**, and **44.1328, 0.3277, 0.5222** is the 20% darker color. If you saturate the color by 10%, you get **78.8736, 0.3293, 0.5142**, and if you desaturate by 10%, it is **83.8637, 0.3275, 0.4509**.

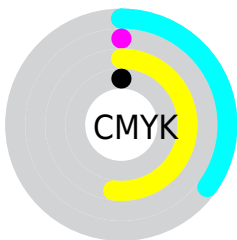
Distribution



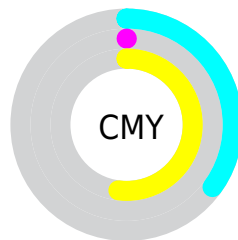
- Red (65%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (83%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1656, 0.3291, 0.4833 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 81.1656, 0.3291, 0.4833 by changing the saturation by 10% instead.


 81.1656, 0.3291,
0.4833


 81.1656, 0.3291,
0.4833

498.8524, 0.3257,
0.4092


 60.6780, 0.3287,
0.5004

 135.0033, 0.3289,
0.4573

 43.9653, 0.3275,
0.5215


 169.1221, 0.3285,
0.4473

 30.6433, 0.3249,
0.5479


 208.5535, 0.3280,
0.4386

 20.3274, 0.3196,
0.5815

253.6818, 0.3276,
0.4312

 12.6332, 0.3092,
0.6249

304.8915, 0.3271,
0.4246

 7.1765, 0.2950,
0.6965

362.5669, 0.3266,

 3.5727, 0.2475,

0.4189

0.7525

427.0924, 0.3261,
0.4137

■ 1.4375, 0.0567,
0.9433

■ 0.2441, 0.0000,
1.0000

■ 81.1656, 0.3291,
0.4833

■ 81.1656, 0.3291,
0.4833

■ 78.8736, 0.3293,
0.5142

■ 83.8637, 0.3275,
0.4509

■ 76.9710, 0.3279,
0.5416


■ 86.9944, 0.3248,
0.4187

■ 75.4304, 0.3248,
0.5638

■ 90.5751, 0.3214,
0.3879

■ 74.2229, 0.3202,
0.5793

■ 94.6236, 0.3175,
0.3593

 73.4462, 0.3159,
0.5874

 99.1568, 0.3134,
0.3333

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.



81.1656, 0.4065, 0.4729



81.1656, 0.3291, 0.4833



81.1656, 0.2516, 0.4299

Triad

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



81.1656, 0.3291, 0.4833



81.1656, 0.1767, 0.2156



81.1656, 0.4419, 0.3030

Complementary

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



81.1656, 0.3291, 0.4833



35.2562, 0.2798, 0.1896

Split Complementary

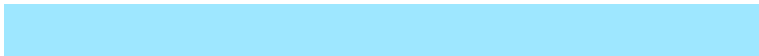
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1656, 0.3630, 0.2516



81.1656, 0.3291, 0.4833



81.1656, 0.2124, 0.2028

Square

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



81.1656, 0.3291, 0.4833



81.1656, 0.1704, 0.2598



81.1656, 0.2774, 0.2162



81.1656, 0.4794, 0.3625

Rectangle

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



81.1656, 0.3291, 0.4833



81.1656, 0.2105, 0.3695



81.1656, 0.2774, 0.2162



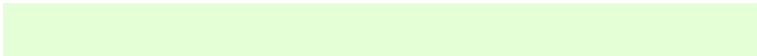
81.1656, 0.4187, 0.2846

Sweetspot

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



81.1637, 0.3291, 0.4833



92.8437, 0.3192, 0.3711



69.2870, 0.4105, 0.4175



19.6946, 0.3200, 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.



81.1637, 0.3291, 0.4833



78.8209, 0.3293, 0.5149



77.7797, 0.2954, 0.4684



20.4618, 0.3166, 0.3532



38.4496, 0.3170, 0.5865



3.8005, 0.3255, 0.5798

Inverse Universe

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



35.2562, 0.2798, 0.1896



28.3589, 0.2708, 0.1642



41.3204, 0.3387, 0.2220



17.9797, 0.3084, 0.3052



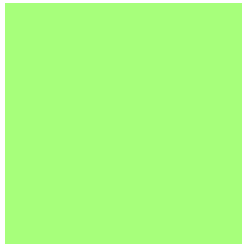
8.3295, 0.2383, 0.1086



0.8708, 0.2478, 0.1139

Previews

White Background



This preview shows how the Yxy color 81.1656, 0.3291, 0.4833 looks on a white background.

Color Contrast Check

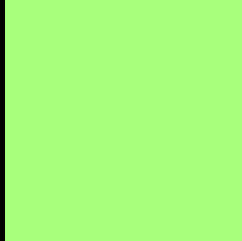
Large Text (above 18pt) WCAG AA × Fail

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 81.1656, 0.3291, 0.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

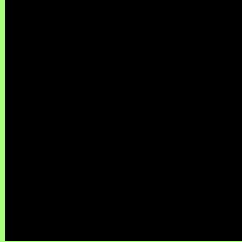
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

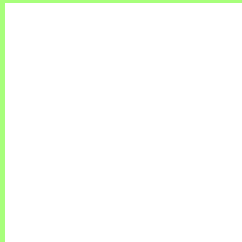
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1656, 0.3291, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 81.1656, 0.3291, 0.4833.



This preview shows how white text looks on a background with the Yxy color 81.1656, 0.3291, 0.4833.

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

81.1656, 0.3291, 0.4833

Protanopia

80.3784, 0.4000, 0.4368

Deuteranopia

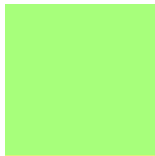
80.1837, 0.3537, 0.3605



Tritanopia

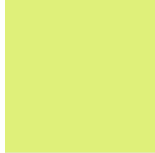
80.8233, 0.2776, 0.3118

Trichromacy



Original Color

81.1656, 0.3291, 0.4833



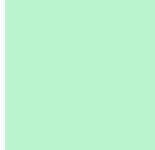
Protanomaly

79.4133, 0.3724, 0.4542



Deuteranomaly

79.1209, 0.3459, 0.4032



Tritanomaly

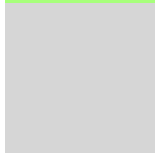
80.2489, 0.2977, 0.3723

Monochromacy



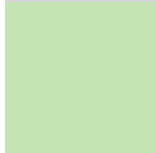
Original Color

81.1656, 0.3291, 0.4833



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 81.1656, 0.3291, 0.4833 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 123) }
```

Border

The CSS property to change the border of an element to Yxy 81.1656, 0.3291, 0.4833 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, 123) }
```

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

```
.border{ border-color:rgb(167, 255, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1656, 0.3291, 0.4833 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, 123) }
```

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

```
.background{ background-color: rgb(167,  
255, 123) }
```

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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