

Converting Colors

$Yxy(81.1931, 0.3341, 0.4882)$

Have a look what the booklet for
Yxy(81.1931, 0.3341, 0.4882)
contains.

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Color

Yxy(81.4623, 0.3342, 0.4883)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF75
RGB	171, 255, 117
RGB Percent	67%, 100%, 46%
CMY	0.3297, 0.0000, 0.5412
CMYK	0.33, 0.00, 0.54, 0.00
HSL	97°, 100%, 73%
HSV	97°, 54%, 100%
XYZ	55.7540, 81.4623, 29.6120
YIQ	214.1520, -5.7660, -60.7260

Conversions

Conversions Part 2

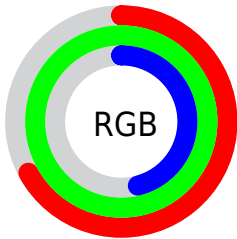
Format	Color
RYB	117, 255, 201
Decimal	11272053
CIELab	92.34, -48.42, 57.21
CIElCh	92, 74.948, 130.242
Yxy	81.4623, 0.3342, 0.4883
Android (android.graphics.Color)	4289462133 (0xFFABFF75)
YUV	214.1520, -47.8959, -37.8443
Hunter-Lab	90.2565, -47.6842, 43.7272

Details

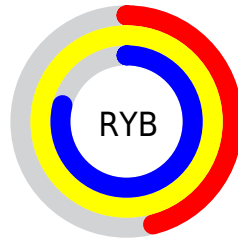
The Yxy color **81.4623, 0.3342, 0.4883** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **32.3675, 0.2708, 0.1806**, and the grayscale version is **67.6691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3216, 0.3450, 0.4154**, and **44.3245, 0.3332, 0.5268** is the 20% darker color. If you saturate the color by 10%, you get **79.2919, 0.3347, 0.5177**, and if you desaturate by 10%, it is **83.9854, 0.3321, 0.4569**.

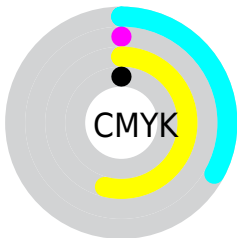
Distribution



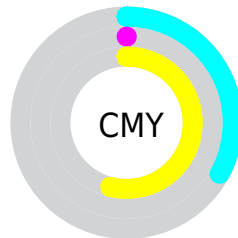
- Red (67%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (79%)



- Cyan (33%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4623, 0.3342, 0.4883 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 81.4623, 0.3342, 0.4883 by changing the saturation by 10% instead.


 81.4623, 0.3342,
0.4883


 81.4623, 0.3342,
0.4883

499.8473, 0.3288,
0.4121


 60.9224, 0.3341,
0.5058


 135.4197, 0.3334,
0.4617

 44.1626, 0.3332,
0.5271


 169.6060, 0.3328,
0.4514

 30.7983, 0.3308,
0.5537


 209.1099, 0.3321,
0.4425

 20.4453, 0.3257,
0.5873

254.3158, 0.3314,
0.4348

 12.7192, 0.3152,
0.6299

305.6081, 0.3307,
0.4281

 7.2355, 0.3006,
0.6994

363.3712, 0.3301,

 3.6098, 0.2514,


0.4221


0.7486


427.9895, 0.3294,
0.4168


 1.4578, 0.0738,
0.9262


 0.2587, 0.0000,
1.0000


 81.4623, 0.3342,
0.4883

 81.4623, 0.3342,
0.4883


 79.2919, 0.3347,
0.5177

 83.9854, 0.3321,
0.4569


 77.4770, 0.3333,
0.5433


 86.9034, 0.3287,
0.4252

 75.9864, 0.3300,
0.5634

 90.2259, 0.3245,
0.3945

 74.7928, 0.3251,
0.5772

 93.9691, 0.3198,
0.3657

 74.2102, 0.3218,
0.5827

 98.1482, 0.3148,
0.3392

100.0000, 0.3127,
0.3290

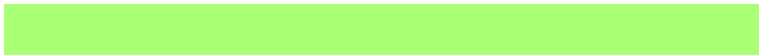
Harmonies

Analogous

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



81.4623, 0.4125, 0.4733



81.4623, 0.3342, 0.4883



81.4623, 0.2545, 0.4377

Triad

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



81.4623, 0.3342, 0.4883



81.4623, 0.1729, 0.2150



81.4623, 0.4408, 0.2987

Complementary

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



81.4623, 0.3342, 0.4883



32.3675, 0.2708, 0.1806

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.



81.4623, 0.3584, 0.2473



81.4623, 0.3342, 0.4883



81.4623, 0.2073, 0.2004

Square

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



81.4623, 0.3342, 0.4883



81.4623, 0.1683, 0.2620



81.4623, 0.2716, 0.2125



81.4623, 0.4824, 0.3588

Rectangle

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



81.4623, 0.3342, 0.4883



81.4623, 0.2117, 0.3764



81.4623, 0.2716, 0.2125



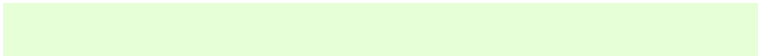
81.4623, 0.4162, 0.2802

Sweetspot

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



81.4545, 0.3342, 0.4883



93.2324, 0.3207, 0.3709



63.7592, 0.4210, 0.4126



19.7867, 0.3217, 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.



81.4545, 0.3342, 0.4883



79.1185, 0.3346, 0.5201



76.9347, 0.2988, 0.4873



20.5143, 0.3175, 0.3532



38.8564, 0.3229, 0.5818



3.8443, 0.3317, 0.5748

Inverse Universe

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



32.3675, 0.2708, 0.1806



25.3818, 0.2593, 0.1533



40.3441, 0.3313, 0.2105



17.9253, 0.3075, 0.3051



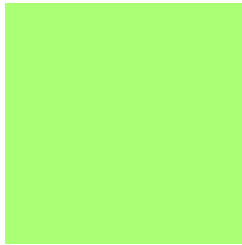
7.5202, 0.2250, 0.1013



0.7954, 0.2357, 0.1072

Previews

White Background



This preview shows how the Yxy color 81.4623, 0.3342, 0.4883 looks on a white background.

Color Contrast Check

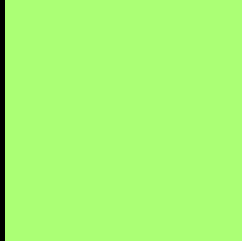
Large Text (above 18pt) WCAG AA × Fail

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 81.4623, 0.3342, 0.4883 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

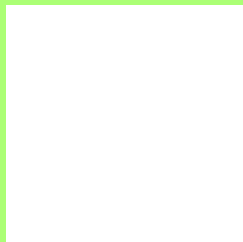
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4623, 0.3342, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 81.4623, 0.3342, 0.4883.

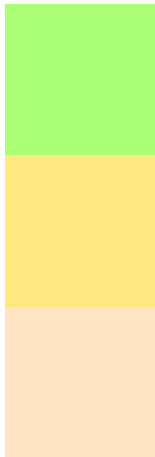


This preview shows how white text looks on a background with the Yxy color 81.4623, 0.3342, 0.4883.

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

81.4623, 0.3342, 0.4883

Protanopia

80.4539, 0.3983, 0.4342

Deuteranopia

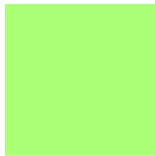
80.1837, 0.3537, 0.3605



Tritanopia

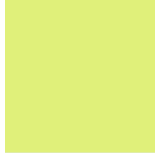
81.2324, 0.2793, 0.3119

Trichromacy



Original Color

81.4623, 0.3342, 0.4883



Protanomaly

79.5726, 0.3731, 0.4539



Deuteranomaly

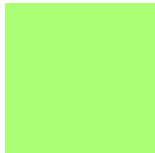
79.2057, 0.3479, 0.4052



Tritanomaly

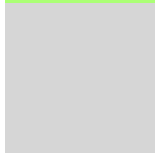
80.5314, 0.3006, 0.3744

Monochromacy



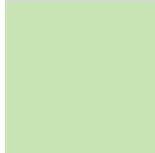
Original Color

81.4623, 0.3342, 0.4883



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2991, 0.3230, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4623, 0.3342, 0.4883 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(171, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 117)  
}
```

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(171, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 81.4623, 0.3342, 0.4883 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(171, 255, 117) }
```

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

```
.border{ border-color:rgb(171, 255, 117) }
```

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

Here you see how a box with a 4 pixel rgb(171, 255, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4623, 0.3342, 0.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 117) }
```

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

```
.background{ background-color: rgb(171,  
255, 117) }
```

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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