

Converting Colors

$Yxy(80.4550, 0.3453, 0.5198)$

Have a look what the booklet for
Yxy(80.4550, 0.3453, 0.5198)
contains.

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Color

Yxy(80.4694, 0.3453, 0.5197)

Conversions

Conversions Part 1

Format	Color
Hex	A8FF53
RGB	168, 255, 83
RGB Percent	66%, 100%, 33%
CMY	0.3413, 0.0000, 0.6744
CMYK	0.34, 0.00, 0.67, 0.00
HSL	90°, 100%, 66%
HSV	90°, 67%, 100%
XYZ	53.4656, 80.4694, 20.9032
YIQ	209.3790, 3.3600, -71.9360

Conversions

Conversions Part 2

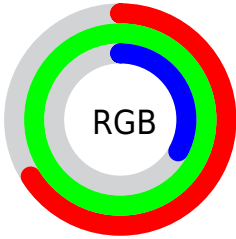
Format	Color
RYB	83, 255, 170
Decimal	11075411
CIELab	91.90, -52.32, 70.65
CIElCh	92, 87.914, 126.522
Yxy	80.4694, 0.3453, 0.5197
Android (android.graphics.Color)	4289265491 (0xFFA8FF53)
YUV	209.3790, -62.3048, -36.2894
Hunter-Lab	89.7047, -50.5941, 48.9775

Details

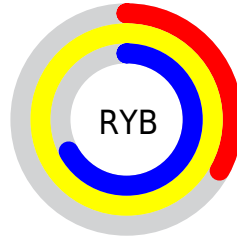
The Yxy color **80.4694, 0.3453, 0.5197** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.9646, 0.2410, 0.1403**, and the grayscale version is **64.4300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9074, 0.3611, 0.4479**, and **43.6547, 0.3428, 0.5639** is the 20% darker color. If you saturate the color by 10%, you get **78.7955, 0.3443, 0.5421**, and if you desaturate by 10%, it is **82.4226, 0.3441, 0.4931**.

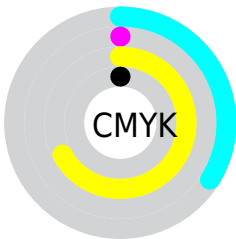
Distribution



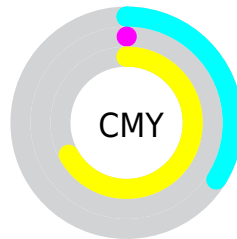
- Red (66%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (67%)



- Cyan (34%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4694, 0.3453, 0.5197 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 80.4694, 0.3453, 0.5197 by changing the saturation by 10% instead.


 80.4694, 0.3453,
0.5197

 80.4694, 0.3453,
0.5197


496.5133, 0.3375,
0.4294


 60.1047, 0.3448,
0.5397


 134.0255, 0.3444,
0.4886


 43.5030, 0.3430,
0.5636


 167.9857, 0.3435,
0.4764

 30.2800, 0.3388,
0.5925


 207.2464, 0.3425,
0.4659

 20.0512, 0.3302,
0.6273

 252.1922, 0.3414,
0.4567

 12.4323, 0.3174,
0.6765

303.2074, 0.3404,
0.4486

 7.0388, 0.2834,
0.7166


360.6764, 0.3394,


 3.4864, 0.2299,

0.4414


0.7701


424.9836, 0.3385,
0.4351


 1.3906, 0.0000,
1.0000

 0.2098, 0.0000,
1.0000


 80.4694, 0.3453,
0.5197


 80.4694, 0.3453,
0.5197


 78.7955, 0.3443,
0.5421


 82.4226, 0.3441,
0.4931


 77.3892, 0.3410,
0.5591

 84.6822, 0.3410,
0.4638

 76.2212, 0.3359,
0.5703

 87.2617, 0.3364,
0.4335

 75.9515, 0.3344,
0.5727

 90.1758, 0.3307,
0.4034

 93.4385, 0.3243,
0.3746

 97.0626, 0.3177,
0.3476

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.



80.4694, 0.4338, 0.4871



80.4694, 0.3453, 0.5197



80.4694, 0.2533, 0.4719

Triad

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



80.4694, 0.3453, 0.5197



80.4694, 0.1516, 0.2017



80.4694, 0.4531, 0.2844

Complementary

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



80.4694, 0.3453, 0.5197



21.9646, 0.2410, 0.1403

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.



80.4694, 0.3520, 0.2292



80.4694, 0.3453, 0.5197



80.4694, 0.1852, 0.1829

Square

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



80.4694, 0.3453, 0.5197



80.4694, 0.1498, 0.2584



80.4694, 0.2532, 0.1935



80.4694, 0.5085, 0.3500

Rectangle

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



80.4694, 0.3453, 0.5197



80.4694, 0.2026, 0.3991



80.4694, 0.2532, 0.1935



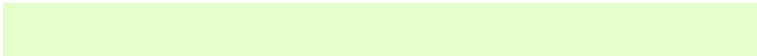
80.4694, 0.4221, 0.2644

Sweetspot

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



80.4664, 0.3453, 0.5197



92.5688, 0.3260, 0.3818



50.2669, 0.4666, 0.4115



19.6151, 0.3278, 0.3899



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.



80.4664, 0.3453, 0.5197



78.2655, 0.3434, 0.5488



73.9855, 0.3025, 0.5473



20.6086, 0.3191, 0.3530



39.7748, 0.3356, 0.5717



3.9376, 0.3442, 0.5649

Inverse Universe

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



21.9646, 0.2410, 0.1403



16.1416, 0.2234, 0.1118



34.6714, 0.3198, 0.1777



17.8295, 0.3058, 0.3050



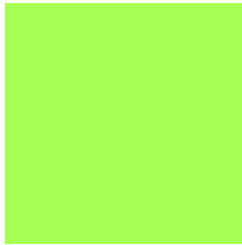
6.3025, 0.2033, 0.0894



0.6786, 0.2155, 0.0961

Previews

White Background



This preview shows how the Yxy color 80.4694, 0.3453, 0.5197 looks on a white background.

Color Contrast Check

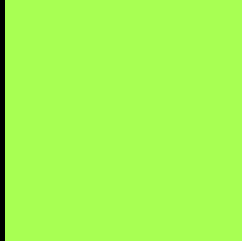
Large Text (above 18pt) WCAG AA × Fail

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 80.4694, 0.3453, 0.5197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

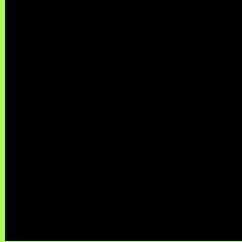
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4694, 0.3453, 0.5197

Background



This preview shows how black text looks on a background with the Yxy color 80.4694, 0.3453, 0.5197.

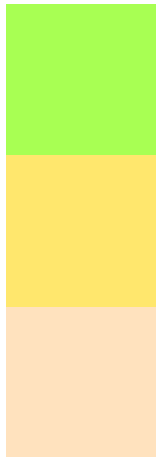


This preview shows how white text looks on a background with the Yxy color 80.4694, 0.3453, 0.5197.

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

80.4694, 0.3453, 0.5197

Protanopia

79.5160, 0.4075, 0.4465

Deuteranopia

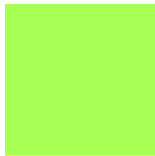
79.3704, 0.3581, 0.3657



Tritanopia

80.1048, 0.2769, 0.3107

Trichromacy



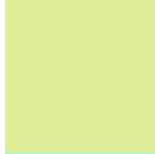
Original Color

80.4694, 0.3453, 0.5197



Protanomaly

78.9283, 0.3832, 0.4734



Deuteranomaly

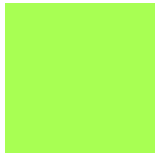
78.4907, 0.3570, 0.4226



Tritanomaly

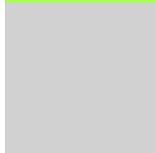
78.9462, 0.3061, 0.3891

Monochromacy



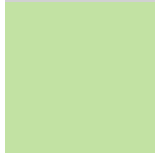
Original Color

80.4694, 0.3453, 0.5197



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.5064, 0.3307, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4694, 0.3453, 0.5197 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(168, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 83)  
}
```

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(168, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 80.4694, 0.3453, 0.5197 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(168, 255, 83) }
```

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

```
.border{ border-color:rgb(168, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4694, 0.3453, 0.5197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 83) }
```

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

```
.background{ background-color: rgb(168,  
255, 83) }
```

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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