

Converting Colors

$Yxy(78.8835, 0.3342, 0.5228)$

Have a look what the booklet for
Yxy(78.8835, 0.3342, 0.5228)
contains.

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Color

Yxy(78.8835, 0.3342, 0.5228)

Conversions

Conversions Part 1

Format	Color
Hex	98FF57
RGB	152, 255, 87
RGB Percent	60%, 100%, 34%
CMY	0.4040, 0.0000, 0.6590
CMYK	0.40, 0.00, 0.66, 0.00
HSL	97°, 100%, 67%
HSV	97°, 66%, 100%
XYZ	50.4263, 78.8835, 21.5768
YIQ	205.0510, -7.4600, -74.0840

Conversions

Conversions Part 2

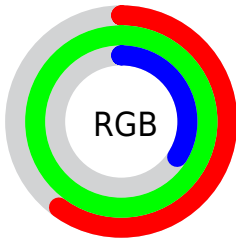
Format	Color
RYB	87, 255, 190
Decimal	10026839
CIELab	91.18, -57.22, 68.19
CIElCh	91, 89.019, 129.998
Yxy	78.8835, 0.3342, 0.5228
Android (android.graphics.Color)	4288216919 (0xFF98FF57)
YUV	205.0510, -58.1991, -46.5257
Hunter-Lab	88.8164, -54.0837, 47.7677

Details

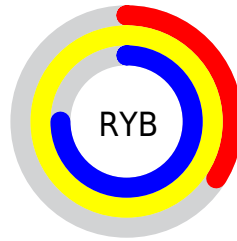
The Yxy color **78.8835, 0.3342, 0.5228** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **24.9753, 0.2590, 0.1515**, and the grayscale version is **61.4603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5307, 0.3481, 0.4485**, and **42.2583, 0.3299, 0.5688** is the 20% darker color. If you saturate the color by 10%, you get **77.1260, 0.3324, 0.5476**, and if you desaturate by 10%, it is **80.9835, 0.3341, 0.4939**.

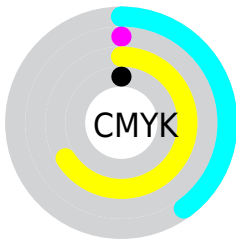
Distribution



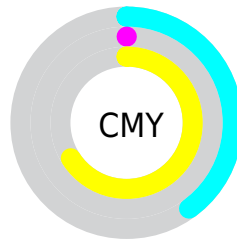
- Red (60%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8835, 0.3342, 0.5228 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 78.8835, 0.3342, 0.5228 by changing the saturation by 10% instead.


 78.8835, 0.3342,
0.5228


 78.8835, 0.3342,
0.5228


491.1621, 0.3313,
0.4297


 58.8000, 0.3327,
0.5438

 131.7948, 0.3349,
0.4904


 42.4522, 0.3296,
0.5693

 165.3915, 0.3347,
0.4778

 29.4555, 0.3239,
0.6003


 204.2613, 0.3342,
0.4669

 19.4257, 0.3134,
0.6383

 248.7888, 0.3337,
0.4575

 11.9783, 0.2974,
0.6912

299.3582, 0.3331,
0.4492

 6.7289, 0.2608,
0.7392


356.3539, 0.3325,


 3.2931, 0.2017,


0.4419

0.7983


420.1605, 0.3319,
0.4355


 1.2866, 0.0000,
1.0000


 0.1308, 0.0000,
1.0000


 78.8835, 0.3342,
0.5228


 78.8835, 0.3342,
0.5228


 77.1260, 0.3324,
0.5476


 80.9835, 0.3341,
0.4939


 75.6921, 0.3288,
0.5667


 83.4524, 0.3323,
0.4627

 74.5517, 0.3236,
0.5793

 86.3076, 0.3292,
0.4309

 74.1543, 0.3213,
0.5830

 89.5670, 0.3252,
0.3999

 93.2469, 0.3205,
0.3707

 97.3630, 0.3156,
0.3437

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.



78.8835, 0.4256, 0.4959



78.8835, 0.3342, 0.5228



78.8835, 0.2421, 0.4637

Triad

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



78.8835, 0.3342, 0.5228



78.8835, 0.1515, 0.1956



78.8835, 0.4655, 0.2908

Complementary

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



78.8835, 0.3342, 0.5228



24.9753, 0.2590, 0.1515

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.



78.8835, 0.3653, 0.2333



78.8835, 0.3342, 0.5228



78.8835, 0.1894, 0.1805

Square

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



78.8835, 0.3342, 0.5228



78.8835, 0.1459, 0.2479



78.8835, 0.2623, 0.1944



78.8835, 0.5140, 0.3578

Rectangle

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



78.8835, 0.3342, 0.5228



78.8835, 0.1932, 0.3863



78.8835, 0.2623, 0.1944



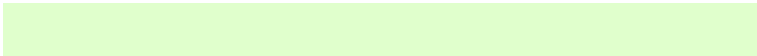
78.8835, 0.4357, 0.2702

Sweetspot

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



78.8818, 0.3342, 0.5228



91.6846, 0.3225, 0.3824



57.8229, 0.4488, 0.4262



19.4042, 0.3238, 0.3907



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.



78.8818, 0.3342, 0.5228



76.6477, 0.3315, 0.5542



74.5394, 0.2972, 0.5252



20.5108, 0.3174, 0.3532



38.8268, 0.3225, 0.5821



3.8411, 0.3312, 0.5752

Inverse Universe

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



24.9753, 0.2590, 0.1515



19.1693, 0.2450, 0.1253



34.2556, 0.3361, 0.1915



17.9289, 0.3076, 0.3051



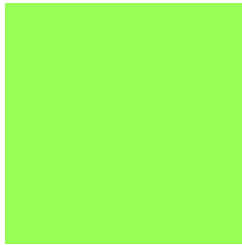
7.5715, 0.2259, 0.1018



0.8003, 0.2365, 0.1077

Previews

White Background



This preview shows how the Yxy color 78.8835, 0.3342, 0.5228 looks on a white background.

Color Contrast Check

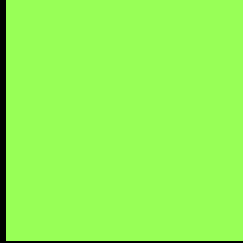
Large Text (above 18pt) WCAG AA × Fail

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 78.8835, 0.3342, 0.5228 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

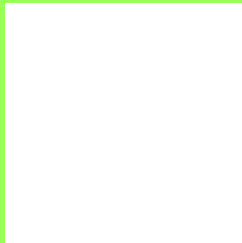
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8835, 0.3342, 0.5228

Background



This preview shows how black text looks on a background with the Yxy color 78.8835, 0.3342, 0.5228.

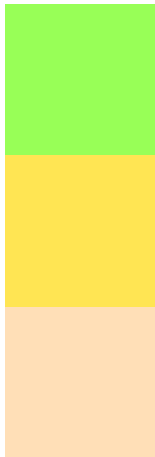


This preview shows how white text looks on a background with the Yxy color 78.8835, 0.3342, 0.5228.

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

78.8835, 0.3342, 0.5228

Protanopia

77.9232, 0.4210, 0.4632

Deuteranopia

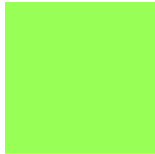
77.4542, 0.3638, 0.3699



Tritanopia

78.5594, 0.2702, 0.3104

Trichromacy



Original Color

78.8835, 0.3342, 0.5228



Protanomaly

76.6946, 0.3872, 0.4862



Deuteranomaly

76.4602, 0.3557, 0.4252



Tritanomaly

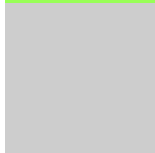
77.3671, 0.2965, 0.3881

Monochromacy



Original Color

78.8835, 0.3342, 0.5228



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.8231, 0.3260, 0.4037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8835, 0.3342, 0.5228 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(152, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 87)  
}
```

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(152, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 78.8835, 0.3342, 0.5228 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(152, 255, 87) }
```

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

```
.border{ border-color:rgb(152, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8835, 0.3342, 0.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 87) }
```

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

```
.background{ background-color: rgb(152,  
255, 87) }
```

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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