

Converting Colors

$Yxy(78.6999, 0.3304, 0.5187)$

Have a look what the booklet for
Yxy(78.6999, 0.3304, 0.5187)
contains.

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Color

Yxy(78.6999, 0.3304, 0.5187)

Conversions

Conversions Part 1

Format	Color
Hex	95FF5D
RGB	149, 255, 93
RGB Percent	58%, 100%, 36%
CMY	0.4157, 0.0000, 0.6354
CMYK	0.42, 0.00, 0.64, 0.00
HSL	99°, 100%, 68%
HSV	99°, 64%, 100%
XYZ	50.1300, 78.6999, 22.8953
YIQ	204.8380, -11.1740, -72.8540

Conversions

Conversions Part 2

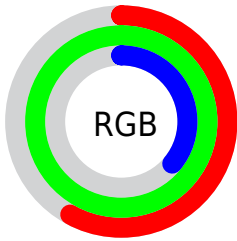
Format	Color
RYB	93, 255, 199
Decimal	9830237
CIELab	91.10, -57.65, 65.72
CIElCh	91, 87.426, 131.258
Yxy	78.6999, 0.3304, 0.5187
Android (android.graphics.Color)	4288020317 (0xFF95FF5D)
YUV	204.8380, -55.1361, -48.9699
Hunter-Lab	88.7130, -54.3807, 46.7973

Details

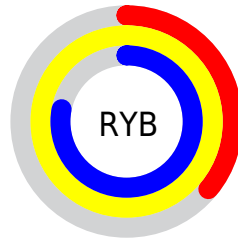
The Yxy color **78.6999, 0.3304, 0.5187** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.1790, 0.2674, 0.1597**, and the grayscale version is **61.3033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2452, 0.3435, 0.4441**, and **42.1553, 0.3260, 0.5648** is the 20% darker color. If you saturate the color by 10%, you get **76.8629, 0.3288, 0.5452**, and if you desaturate by 10%, it is **80.9125, 0.3303, 0.4885**.

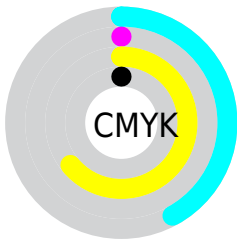
Distribution



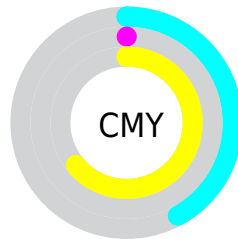
- Red (58%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6999, 0.3304, 0.5187 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 78.6999, 0.3304, 0.5187 by changing the saturation by 10% instead.

 78.6999, 0.3304,
0.5187

 78.6999, 0.3304,
0.5187


490.5405, 0.3288,
0.4271


 58.6491, 0.3288,
0.5396


 131.5363, 0.3314,
0.4867


 42.3307, 0.3256,
0.5650


 165.0907, 0.3313,
0.4743

 29.3603, 0.3199,
0.5962


 203.9151, 0.3311,
0.4636

 19.3536, 0.3096,
0.6347


 248.3938, 0.3307,
0.4544

 11.9260, 0.2929,
0.6864

298.9113, 0.3303,
0.4463

 6.6933, 0.2586,
0.7414


355.8520, 0.3298,


 3.2711, 0.1990,


0.4391


0.8010


419.6003, 0.3293,
0.4328


 1.2748, 0.0000,
1.0000


 0.1216, 0.0000,
1.0000


 78.6999, 0.3304,
0.5187


 78.6999, 0.3304,
0.5187


 76.8629, 0.3288,
0.5452

 80.9125, 0.3303,
0.4885


 75.3759, 0.3254,
0.5660

 83.5227, 0.3288,
0.4564

 74.2097, 0.3206,
0.5803

 86.5510, 0.3261,
0.4242

 73.6043, 0.3171,
0.5864

 90.0164, 0.3225,
0.3932

 93.9366, 0.3185,
0.3642

 98.3281, 0.3142,
0.3377

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.



78.6999, 0.4210, 0.4960



78.6999, 0.3304, 0.5187



78.6999, 0.2400, 0.4568

Triad

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



78.6999, 0.3304, 0.5187



78.6999, 0.1545, 0.1963



78.6999, 0.4663, 0.2942

Complementary

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



78.6999, 0.3304, 0.5187



27.1790, 0.2674, 0.1597

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.



78.6999, 0.3691, 0.2367



78.6999, 0.3304, 0.5187



78.6999, 0.1934, 0.1825

Square

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



78.6999, 0.3304, 0.5187



78.6999, 0.1477, 0.2463



78.6999, 0.2670, 0.1973



78.6999, 0.5113, 0.3609

Rectangle

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



78.6999, 0.3304, 0.5187



78.6999, 0.1926, 0.3803



78.6999, 0.2670, 0.1973



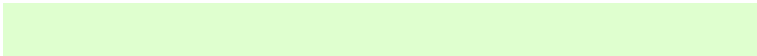
78.6999, 0.4376, 0.2737

Sweetspot

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



78.7001, 0.3304, 0.5187



91.7399, 0.3208, 0.3797



62.5697, 0.4374, 0.4311



19.4015, 0.3219, 0.3881



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.



78.7001, 0.3304, 0.5187



76.4661, 0.3281, 0.5509



75.1361, 0.2944, 0.5085



20.4735, 0.3168, 0.3532



38.5341, 0.3182, 0.5855



3.8098, 0.3268, 0.5787

Inverse Universe

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



27.1790, 0.2674, 0.1597



21.2665, 0.2556, 0.1343



34.8350, 0.3435, 0.2010



17.9675, 0.3082, 0.3052



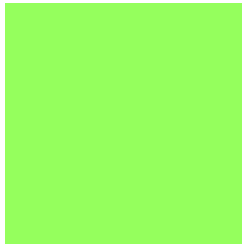
8.1403, 0.2352, 0.1070



0.8533, 0.2451, 0.1124

Previews

White Background



This preview shows how the Yxy color 78.6999, 0.3304, 0.5187 looks on a white background.

Color Contrast Check

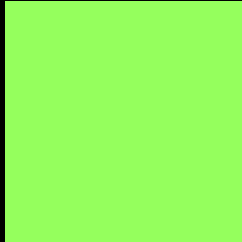
Large Text (above 18pt) WCAG AA × Fail

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 78.6999, 0.3304, 0.5187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

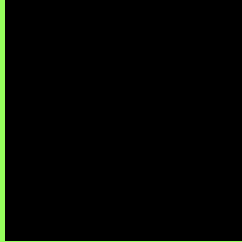
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

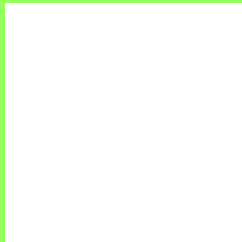
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6999, 0.3304, 0.5187

Background



This preview shows how black text looks on a background with the Yxy color 78.6999, 0.3304, 0.5187.



This preview shows how white text looks on a background with the Yxy color 78.6999, 0.3304, 0.5187.

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

78.6999, 0.3304, 0.5187

Protanopia

77.4027, 0.4208, 0.4612

Deuteranopia

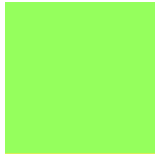
77.4542, 0.3638, 0.3699



Tritanopia

78.3142, 0.2691, 0.3103

Trichromacy



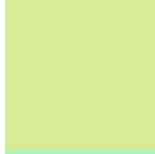
Original Color

78.6999, 0.3304, 0.5187



Protanomaly

76.4526, 0.3841, 0.4842



Deuteranomaly

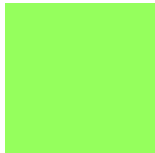
76.2176, 0.3530, 0.4235



Tritanomaly

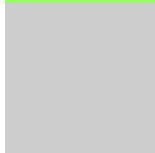
77.2329, 0.2942, 0.3859

Monochromacy



Original Color

78.6999, 0.3304, 0.5187



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.7700, 0.3240, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6999, 0.3304, 0.5187 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(149, 255, 93)` looks like.

```
.text, #text, p{  
  color:rgb(149, 255, 93)  
}
```

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(149, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 93) }
```

Border

The CSS property to change the border of an element to Yxy 78.6999, 0.3304, 0.5187 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(149, 255, 93) }
```

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

```
.border{ border-color:rgb(149, 255, 93) }
```

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

Here you see how a box with a 4 pixel rgb(149, 255, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6999, 0.3304, 0.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 93) }
```

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

```
.background{ background-color: rgb(149,  
255, 93) }
```

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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