

Converting Colors

$Yxy(78.8547, 0.3265, 0.5094)$

Have a look what the booklet for
Yxy(78.8547, 0.3265, 0.5094)
contains.

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Color

Yxy(78.8888, 0.3267, 0.5093)

Conversions

Conversions Part 1

Format	Color
Hex	95FF67
RGB	149, 255, 103
RGB Percent	58%, 100%, 40%
CMY	0.4157, 0.0000, 0.5959
CMYK	0.42, 0.00, 0.60, 0.00
HSL	102°, 100%, 70%
HSV	102°, 60%, 100%
XYZ	50.6047, 78.8888, 25.4030
YIQ	205.9780, -14.3840, -69.7440

Conversions

Conversions Part 2

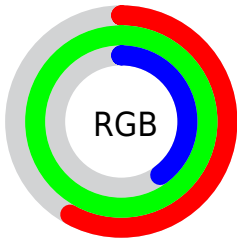
Format	Color
RYB	103, 255, 209
Decimal	9830247
CIELab	91.18, -56.75, 61.68
CIELCh	91, 83.814, 132.619
Yxy	78.8888, 0.3267, 0.5093
Android (android.graphics.Color)	4288020327 (0xFF95FF67)
YUV	205.9780, -50.7682, -49.9697
Hunter-Lab	88.8194, -53.7338, 45.2162

Details

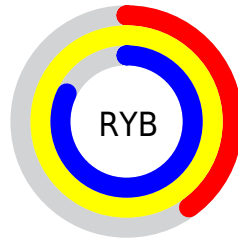
The Yxy color **78.8888, 0.3267, 0.5093** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **30.4915, 0.2771, 0.1717**, and the grayscale version is **62.0484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4331, 0.3375, 0.4338**, and **42.2536, 0.3222, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **76.9061, 0.3254, 0.5381**, and if you desaturate by 10%, it is **81.2857, 0.3265, 0.4775**.

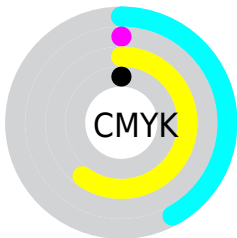
Distribution



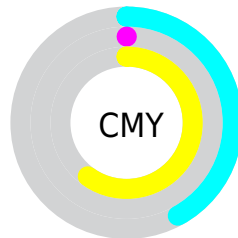
- Red (58%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (82%)



- Cyan (42%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8888, 0.3267, 0.5093 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 78.8888, 0.3267, 0.5093 by changing the saturation by 10% instead.

 78.8888, 0.3267,
0.5093

 78.8888, 0.3267,
0.5093

491.1801, 0.3260,
0.4220


 58.8044, 0.3251,
0.5294


 131.8023, 0.3278,
0.4787


 42.4557, 0.3222,
0.5541

 165.4002, 0.3278,
0.4668

 29.4583, 0.3171,
0.5846


 204.2713, 0.3277,
0.4567

 19.4278, 0.3077,
0.6229

 248.8002, 0.3274,
0.4479

 11.9798, 0.2913,
0.6721

299.3711, 0.3271,
0.4402

 6.7299, 0.2626,
0.7374

356.3684, 0.3267,

 3.2938, 0.2039,

0.4334

0.7961

420.1766, 0.3264,
0.4274

■ 1.2870, 0.0000,
1.0000

■ 0.1311, 0.0000,
1.0000

■ 78.8888, 0.3267,
0.5093

■ 78.8888, 0.3267,
0.5093

■ 76.9061, 0.3254,
0.5381

■ 81.2857, 0.3265,
0.4775

■ 75.3075, 0.3226,
0.5617


■ 84.1166, 0.3251,
0.4446


■ 74.0643, 0.3184,
0.5788

■ 87.4046, 0.3227,
0.4123

■ 73.1357, 0.3134,
0.5892

■ 91.1698, 0.3196,
0.3817

 73.1028, 0.3132,
0.5896

 95.4311, 0.3162,
0.3535

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.



78.8888, 0.4146, 0.4925



78.8888, 0.3267, 0.5093



78.8888, 0.2398, 0.4463

Triad

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



78.8888, 0.3267, 0.5093



78.8888, 0.1606, 0.1997



78.8888, 0.4632, 0.2989

Complementary

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



78.8888, 0.3267, 0.5093



30.4915, 0.2771, 0.1717

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.



78.8888, 0.3717, 0.2422



78.8888, 0.3267, 0.5093



78.8888, 0.2001, 0.1874

Square

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



78.8888, 0.3267, 0.5093



78.8888, 0.1527, 0.2469



78.8888, 0.2730, 0.2029



78.8888, 0.5040, 0.3641

Rectangle

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



78.8888, 0.3267, 0.5093



78.8888, 0.1947, 0.3732



78.8888, 0.2730, 0.2029



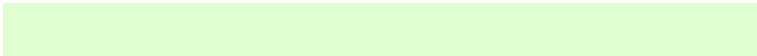
78.8888, 0.4365, 0.2786

Sweetspot

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



78.8901, 0.3267, 0.5093



91.8135, 0.3191, 0.3770



66.8085, 0.4255, 0.4309



19.4017, 0.3200, 0.3856



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.



78.8901, 0.3267, 0.5093



76.4865, 0.3249, 0.5443



76.0425, 0.2928, 0.4899



20.4344, 0.3161, 0.3532



38.2655, 0.3142, 0.5887



3.7799, 0.3224, 0.5822

Inverse Universe

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



30.4915, 0.2771, 0.1717



23.9844, 0.2669, 0.1454



36.5237, 0.3464, 0.2109



18.0085, 0.3089, 0.3052



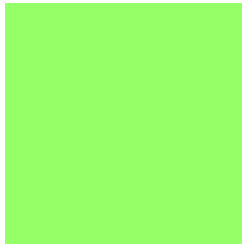
8.7925, 0.2455, 0.1126



0.9133, 0.2543, 0.1174

Previews

White Background



This preview shows how the Yxy color 78.8888, 0.3267, 0.5093 looks on a white background.

Color Contrast Check

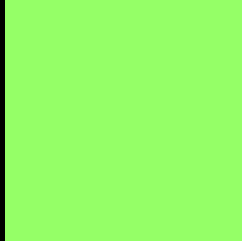
Large Text (above 18pt) WCAG AA × Fail

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 78.8888, 0.3267, 0.5093 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 78.8888, 0.3267, 0.5093

Background



This preview shows how black text looks on a background with the Yxy color 78.8888, 0.3267, 0.5093.



This preview shows how white text looks on a background with the Yxy color 78.8888, 0.3267, 0.5093.

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

78.8888, 0.3267, 0.5093

Protanopia

77.9357, 0.4149, 0.4557

Deuteranopia

77.5381, 0.3624, 0.3679



Tritanopia

78.4364, 0.2697, 0.3103

Trichromacy



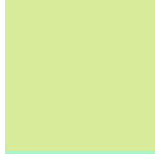
Original Color

78.8888, 0.3267, 0.5093



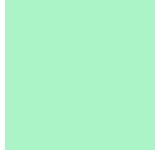
Protanomaly

76.6298, 0.3798, 0.4764



Deuteranomaly

76.3821, 0.3500, 0.4181



Tritanomaly

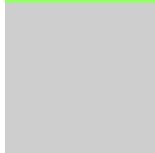
77.5294, 0.2926, 0.3809

Monochromacy



Original Color

78.8888, 0.3267, 0.5093



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.4902, 0.3207, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8888, 0.3267, 0.5093 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 103) }
```

Border

The CSS property to change the border of an element to Yxy 78.8888, 0.3267, 0.5093 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, 103) }
```

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

```
.border{ border-color:rgb(149, 255, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 103);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8888, 0.3267, 0.5093 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, 103) }
```

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

```
.background{ background-color: rgb(149,  
255, 103) }
```

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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