

Converting Colors

$Yxy(98.9728, 0.3341, 0.5239)$

Have a look what the booklet for
Yxy(98.9728, 0.3341, 0.5239)
contains.

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Color

Yxy(80.6894, 0.3408, 0.5091)

Conversions

Conversions Part 1

Format	Color
Hex	A8FF60
RGB	168, 255, 96
RGB Percent	66%, 100%, 38%
CMY	0.3413, 0.0000, 0.6236
CMYK	0.34, 0.00, 0.62, 0.00
HSL	93°, 100%, 69%
HSV	93°, 62%, 100%
XYZ	54.0148, 80.6894, 23.7900
YIQ	210.8610, -0.8130, -67.8930

Conversions

Conversions Part 2

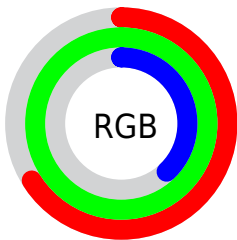
Format	Color
RYB	96, 255, 183
Decimal	11075424
CIELab	91.99, -51.33, 65.74
CIElCh	92, 83.405, 127.987
Yxy	80.6894, 0.3408, 0.5091
Android (android.graphics.Color)	4289265504 (0xFFA8FF60)
YUV	210.8610, -56.6265, -37.5891
Hunter-Lab	89.8273, -49.8623, 47.1766

Details

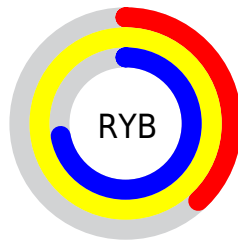
The Yxy color **80.6894, 0.3408, 0.5091** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **25.6527, 0.2535, 0.1557**, and the grayscale version is **65.4191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1179, 0.3541, 0.4365**, and **43.8305, 0.3390, 0.5514** is the 20% darker color. If you saturate the color by 10%, you get **78.8400, 0.3404, 0.5345**, and if you desaturate by 10%, it is **82.8489, 0.3392, 0.4802**.

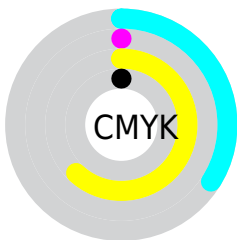
Distribution



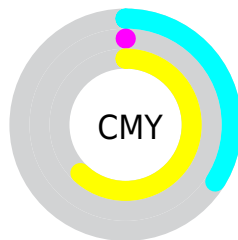
- Red (66%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6894, 0.3408, 0.5091 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 80.6894, 0.3408, 0.5091 by changing the saturation by 10% instead.


 80.6894, 0.3408,
0.5091


 80.6894, 0.3408,
0.5091

497.2531, 0.3340,
0.4233

 60.2858, 0.3404,
0.5284

 134.3346, 0.3399,
0.4794

 43.6491, 0.3390,
0.5517

 168.3449, 0.3391,
0.4678

 30.3947, 0.3354,
0.5802


 207.6597, 0.3383,
0.4578

 20.1384, 0.3281,
0.6151

 252.6632, 0.3374,
0.4491

 12.4957, 0.3150,
0.6604

303.7400, 0.3365,
0.4414

 7.0822, 0.2877,
0.7123

361.2742, 0.3357,

 3.5136, 0.2352,

0.4347

0.7648

425.6505, 0.3348,
0.4287

■ 1.4054, 0.0062,
0.9938

■ 0.2207, 0.0000,
1.0000

■ 80.6894, 0.3408,
0.5091

■ 80.6894, 0.3408,
0.5091

■ 78.8400, 0.3404,
0.5345

■ 82.8489, 0.3392,
0.4802

■ 77.2900, 0.3379,
0.5550

■ 85.3465, 0.3359,
0.4496

■ 76.0122, 0.3334,
0.5695

■ 88.1957, 0.3314,
0.4188

■ 75.1946, 0.3291,
0.5769

■ 91.4116, 0.3260,
0.3889

■ 95.0086, 0.3202,
0.3607

■ 99.0001, 0.3141,
0.3348

■ 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.



80.6894, 0.4260, 0.4834



80.6894, 0.3408, 0.5091



80.6894, 0.2530, 0.4590

Triad

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



80.6894, 0.3408, 0.5091



80.6894, 0.1588, 0.2058



80.6894, 0.4498, 0.2899

Complementary

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



80.6894, 0.3408, 0.5091



25.6527, 0.2535, 0.1557

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.



80.6894, 0.3553, 0.2358



80.6894, 0.3408, 0.5091



80.6894, 0.1931, 0.1887

Square

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



80.6894, 0.3408, 0.5091



80.6894, 0.1559, 0.2589



80.6894, 0.2603, 0.2001



80.6894, 0.4998, 0.3538

Rectangle

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



80.6894, 0.3408, 0.5091



80.6894, 0.2051, 0.3900



80.6894, 0.2603, 0.2001



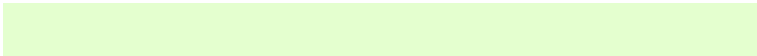
80.6894, 0.4212, 0.2703

Sweetspot

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



80.6861, 0.3408, 0.5091



92.5761, 0.3241, 0.3792



55.0685, 0.4484, 0.4127



19.6022, 0.3257, 0.3874



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.



80.6861, 0.3408, 0.5091



78.4026, 0.3400, 0.5405



74.9514, 0.3014, 0.5260



20.5708, 0.3184, 0.3531



39.3767, 0.3302, 0.5760



3.8978, 0.3390, 0.5690

Inverse Universe

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



25.6527, 0.2535, 0.1557



19.2298, 0.2379, 0.1267



36.5068, 0.3244, 0.1891



17.8677, 0.3065, 0.3050



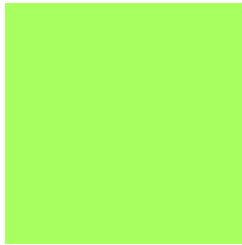
6.7560, 0.2116, 0.0939



0.7227, 0.2233, 0.1004

Previews

White Background



This preview shows how the Yxy color 80.6894, 0.3408, 0.5091 looks on a white background.

Color Contrast Check

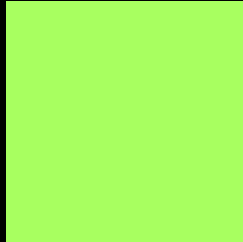
Large Text (above 18pt) WCAG AA × Fail

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 80.6894, 0.3408, 0.5091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

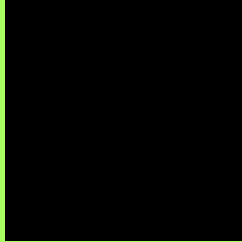
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

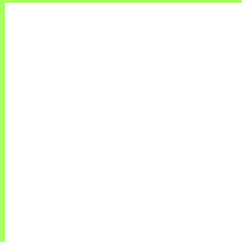
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6894, 0.3408, 0.5091

Background



This preview shows how black text looks on a background with the Yxy color 80.6894, 0.3408, 0.5091.

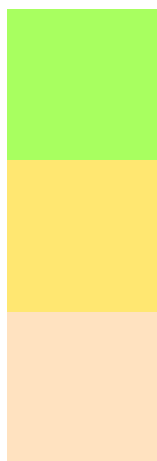


This preview shows how white text looks on a background with the Yxy color 80.6894, 0.3408, 0.5091.

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

80.6894, 0.3408, 0.5091

Protanopia

79.6041, 0.4054, 0.4433

Deuteranopia

79.4585, 0.3567, 0.3636



Tritanopia

80.2394, 0.2775, 0.3108

Trichromacy



Original Color

80.6894, 0.3408, 0.5091



Protanomaly

79.0697, 0.3799, 0.4676



Deuteranomaly

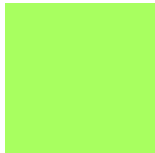
78.6907, 0.3533, 0.4162



Tritanomaly

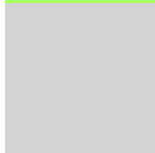
79.1717, 0.3033, 0.3831

Monochromacy



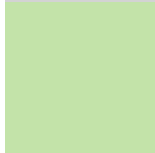
Original Color

80.6894, 0.3408, 0.5091



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.4048, 0.3275, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6894, 0.3408, 0.5091 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 96) }
```

Border

The CSS property to change the border of an element to Yxy 80.6894, 0.3408, 0.5091 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, 96) }
```

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

```
.border{ border-color:rgb(168, 255, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6894, 0.3408, 0.5091 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, 96) }
```

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

```
.background{ background-color: rgb(168,  
255, 96) }
```

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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