

Converting Colors

Yxy(80.3674, 0.3569, 0.5408)

Have a look what the booklet for
Yxy(80.3674, 0.3569, 0.5408)
contains.

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Color

Yxy(80.3674, 0.3569, 0.5408)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF2D
RGB	171, 255, 45
RGB Percent	67%, 100%, 18%
CMY	0.3292, 0.0000, 0.8234
CMYK	0.33, 0.00, 0.82, 0.00
HSL	84°, 100%, 59%
HSV	84°, 82%, 100%
XYZ	53.0383, 80.3674, 15.2026
YIQ	205.9440, 17.3460, -83.1180

Conversions

Conversions Part 2

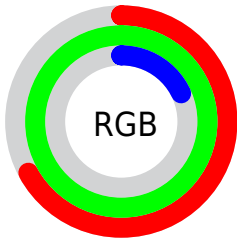
Format	Color
RYB	45, 255, 129
Decimal	11271981
CIELab	91.85, -53.23, 82.19
CIELCh	92, 97.920, 122.927
Yxy	80.3674, 0.3569, 0.5408
Android (android.graphics.Color)	4289462061 (0xFFABFF2D)
YUV	205.9440, -79.3454, -30.6459
Hunter-Lab	89.6479, -51.2779, 52.6990

Details

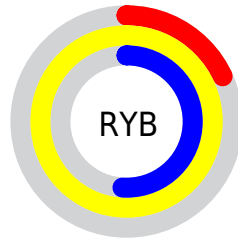
The Yxy color **80.3674, 0.3569, 0.5408** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.7648, 0.2038, 0.1000**, and the grayscale version is **62.2058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6566, 0.3771, 0.4723**, and **43.7677, 0.3449, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **79.1285, 0.3537, 0.5536**, and if you desaturate by 10%, it is **81.8200, 0.3577, 0.5227**.

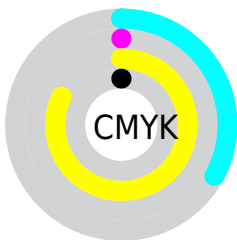
Distribution



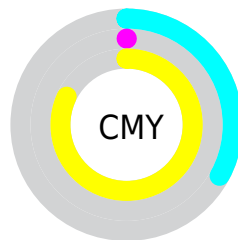
- Red (67%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (51%)



- Cyan (33%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3674, 0.3569, 0.5408 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 80.3674, 0.3569, 0.5408 by changing the saturation by 10% instead.


 80.3674, 0.3569,
0.5408


 80.3674, 0.3569,
0.5408


496.1701, 0.3467,
0.4426

 60.0207, 0.3561,
0.5615


 133.8822, 0.3559,
0.5078

 43.4353, 0.3534,
0.5856


 167.8190, 0.3547,
0.4945

 30.2268, 0.3474,
0.6137


 207.0548, 0.3534,
0.4830

 20.0108, 0.3366,
0.6471

 251.9738, 0.3520,
0.4729

 12.4029, 0.3162,
0.6838

 302.9604, 0.3506,
0.4639

 7.0187, 0.2796,
0.7204

360.3991, 0.3493,

 3.4738, 0.2252,

0.4560

0.7748

424.6742, 0.3480,
0.4489

■ 1.3838, 0.0000,
1.0000

■ 0.2047, 0.0000,
1.0000

■ 80.3674, 0.3569,
0.5408

■ 80.3674, 0.3569,
0.5408

■ 79.1285, 0.3537,
0.5536

■ 81.8200, 0.3577,
0.5227

■ 78.2940, 0.3500,
0.5603

■ 83.4963, 0.3561,
0.4999

■ 85.4170, 0.3522,
0.4737

■ 87.5971, 0.3464,
0.4454

90.0502, 0.3394,
0.4164

92.7889, 0.3314,
0.3878

95.8247, 0.3231,
0.3604

99.1685, 0.3147,
0.3347

99.9966, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3674, 0.4519, 0.4911



80.3674, 0.3569, 0.5408



80.3674, 0.2564, 0.5029

Triad

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



80.3674, 0.3569, 0.5408



80.3674, 0.1363, 0.1940



80.3674, 0.4569, 0.2711

Complementary

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



80.3674, 0.3569, 0.5408



13.7648, 0.2038, 0.1000

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.



80.3674, 0.3411, 0.2143



80.3674, 0.3569, 0.5408



80.3674, 0.1678, 0.1709

Square

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



80.3674, 0.3569, 0.5408



80.3674, 0.1378, 0.2599



80.3674, 0.2358, 0.1792



80.3674, 0.5260, 0.3396

Rectangle

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



80.3674, 0.3569, 0.5408



80.3674, 0.1992, 0.4236



80.3674, 0.2358, 0.1792



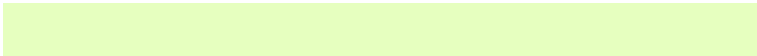
80.3674, 0.4205, 0.2503

Sweetspot

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



80.3709, 0.3569, 0.5408



92.0353, 0.3336, 0.3953



36.2488, 0.5323, 0.3929



19.4921, 0.3364, 0.4054



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.



80.3709, 0.3569, 0.5408



78.4030, 0.3505, 0.5595



72.9913, 0.3067, 0.5781



20.7073, 0.3207, 0.3529



41.0015, 0.3511, 0.5595



4.0558, 0.3587, 0.5534

Inverse Universe

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



13.7648, 0.2038, 0.1000



10.1871, 0.1836, 0.0788



26.0054, 0.2964, 0.1489



17.7321, 0.3042, 0.3049



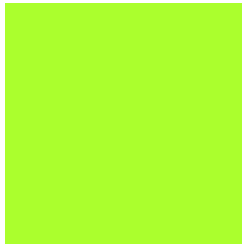
5.3279, 0.1842, 0.0788



0.5802, 0.1967, 0.0857

Previews

White Background



This preview shows how the Yxy color 80.3674, 0.3569, 0.5408 looks on a white background.

Color Contrast Check

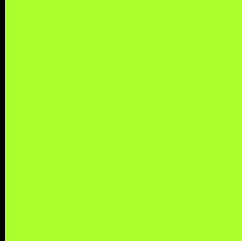
Large Text (above 18pt) WCAG AA × Fail

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 80.3674, 0.3569, 0.5408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

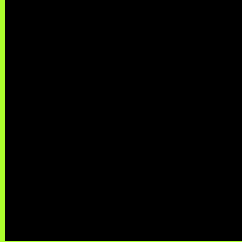
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3674, 0.3569, 0.5408

Background



This preview shows how black text looks on a background with the Yxy color 80.3674, 0.3569, 0.5408.

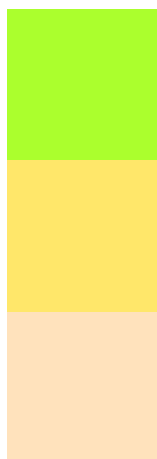


This preview shows how white text looks on a background with the Yxy color 80.3674, 0.3569, 0.5408.

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

80.3674, 0.3569, 0.5408

Protanopia

79.4524, 0.4091, 0.4488

Deuteranopia

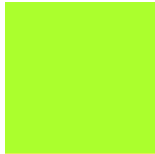
79.2836, 0.3595, 0.3677



Tritanopia

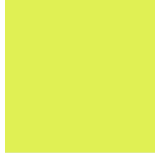
79.7941, 0.2780, 0.3097

Trichromacy



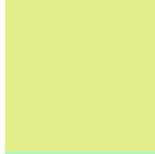
Original Color

80.3674, 0.3569, 0.5408



Protanomaly

78.8076, 0.3906, 0.4848



Deuteranomaly

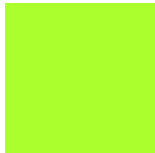
78.1932, 0.3666, 0.4378



Tritanomaly

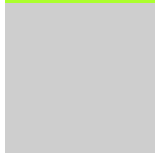
78.6474, 0.3148, 0.4044

Monochromacy



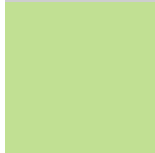
Original Color

80.3674, 0.3569, 0.5408



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.7553, 0.3405, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3674, 0.3569, 0.5408 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(171, 255, 45)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 45)  
}
```

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(171, 255, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 45) }
```

Border

The CSS property to change the border of an element to Yxy 80.3674, 0.3569, 0.5408 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(171, 255, 45) }
```

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

```
.border{ border-color:rgb(171, 255, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 45);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3674, 0.3569, 0.5408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 45) }
```

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

```
.background{ background-color: rgb(171,  
255, 45) }
```

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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