

Converting Colors

Yxy(80.4354, 0.3558, 0.5381)

Have a look what the booklet for
Yxy(80.4354, 0.3558, 0.5381)
contains.

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Color

Yxy(80.4169, 0.3557, 0.5382)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF33
RGB	171, 255, 51
RGB Percent	67%, 100%, 20%
CMY	0.3295, 0.0000, 0.7999
CMYK	0.33, 0.00, 0.80, 0.00
HSL	85°, 100%, 60%
HSV	85°, 80%, 100%
XYZ	53.1481, 80.4169, 15.8533
YIQ	206.6280, 15.4200, -81.2520

Conversions

Conversions Part 2

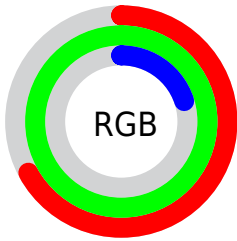
Format	Color
RYB	51, 255, 135
Decimal	11271987
CIELab	91.87, -53.04, 80.77
CIELCh	92, 96.626, 123.291
Yxy	80.4169, 0.3557, 0.5382
Android (android.graphics.Color)	4289462067 (0xFFABFF33)
YUV	206.6280, -76.7246, -31.2458
Hunter-Lab	89.6755, -51.1403, 52.2912

Details

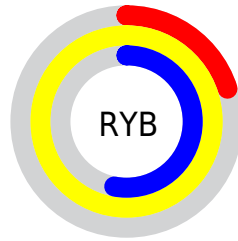
The Yxy color **80.4169, 0.3557, 0.5382** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.7431, 0.2090, 0.1054**, and the grayscale version is **62.6360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7467, 0.3753, 0.4691**, and **43.7677, 0.3449, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **79.1146, 0.3529, 0.5525**, and if you desaturate by 10%, it is **81.9306, 0.3561, 0.5187**.

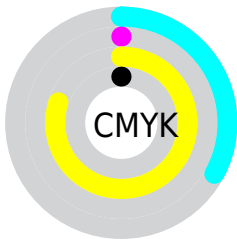
Distribution



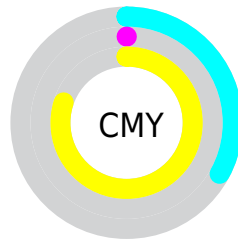
- Red (67%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (53%)



- Cyan (33%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4169, 0.3557, 0.5382 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 80.4169, 0.3557, 0.5382 by changing the saturation by 10% instead.


 80.4169, 0.3557,
0.5382


 80.4169, 0.3557,
0.5382


496.3367, 0.3456,
0.4409


 60.0615, 0.3549,
0.5588


 133.9517, 0.3546,
0.5054


 43.4682, 0.3524,
0.5830


 167.8999, 0.3535,
0.4923


 30.2526, 0.3467,
0.6112


 207.1478, 0.3522,
0.4809

 20.0304, 0.3361,
0.6444

 252.0798, 0.3508,
0.4709

 12.4172, 0.3169,
0.6831

 303.0803, 0.3495,
0.4620

 7.0285, 0.2805,
0.7195

360.5337, 0.3482,

 3.4799, 0.2263,

0.4542

0.7737

424.8243, 0.3469,
0.4472

■ 1.3871, 0.0000,
1.0000

■ 0.2072, 0.0000,
1.0000

■ 80.4169, 0.3557,
0.5382

■ 80.4169, 0.3557,
0.5382

■ 79.1146, 0.3529,
0.5525

■ 81.9306, 0.3561,
0.5187

■ 78.0008, 0.3481,
0.5618

■ 83.6837, 0.3541,
0.4947

■ 78.0003, 0.3481,
0.5618

■ 85.6902, 0.3499,
0.4677

■ 87.9650, 0.3441,
0.4389

■ 90.5216, 0.3370,
0.4098

■ 93.3724, 0.3291,
0.3813

■ 96.5289, 0.3209,
0.3542

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.



80.4169, 0.4498, 0.4906



80.4169, 0.3557, 0.5382



80.4169, 0.2562, 0.4991

Triad

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



80.4169, 0.3557, 0.5382



80.4169, 0.1382, 0.1951



80.4169, 0.4562, 0.2727

Complementary

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



80.4169, 0.3557, 0.5382



14.7431, 0.2090, 0.1054

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.



80.4169, 0.3423, 0.2161



80.4169, 0.3557, 0.5382



80.4169, 0.1698, 0.1725

Square

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



80.4169, 0.3557, 0.5382



80.4169, 0.1394, 0.2599



80.4169, 0.2378, 0.1809



80.4169, 0.5237, 0.3408

Rectangle

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



80.4169, 0.3557, 0.5382



80.4169, 0.1998, 0.4206



80.4169, 0.2378, 0.1809



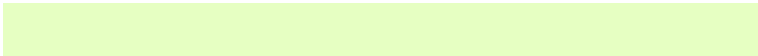
80.4169, 0.4205, 0.2520

Sweetspot

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



80.4142, 0.3557, 0.5382



92.1944, 0.3323, 0.3926



38.1672, 0.5216, 0.3968



19.5178, 0.3351, 0.4028



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.



80.4142, 0.3557, 0.5382



78.4283, 0.3501, 0.5584



73.1144, 0.3063, 0.5744



20.6960, 0.3205, 0.3529



40.8464, 0.3492, 0.5609



4.0411, 0.3569, 0.5548

Inverse Universe

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



14.7431, 0.2090, 0.1054



10.8234, 0.1888, 0.0827



27.1833, 0.3005, 0.1531



17.7431, 0.3043, 0.3049



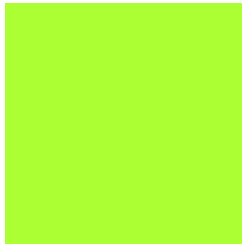
5.4254, 0.1862, 0.0799



0.5904, 0.1988, 0.0869

Previews

White Background



This preview shows how the Yxy color 80.4169, 0.3557, 0.5382 looks on a white background.

Color Contrast Check

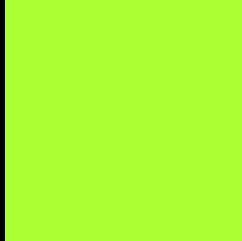
Large Text (above 18pt) WCAG AA × Fail

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 80.4169, 0.3557, 0.5382 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

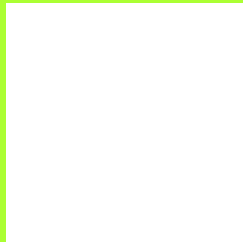
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4169, 0.3557, 0.5382

Background



This preview shows how black text looks on a background with the Yxy color 80.4169, 0.3557, 0.5382.

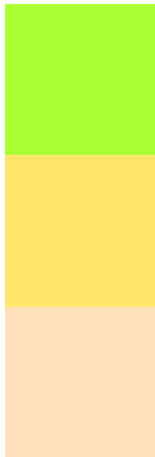


This preview shows how white text looks on a background with the Yxy color 80.4169, 0.3557, 0.5382.

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

80.4169, 0.3557, 0.5382

Protanopia

79.4734, 0.4086, 0.4481

Deuteranopia

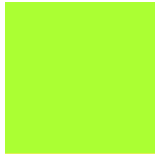
79.2836, 0.3595, 0.3677



Tritanopia

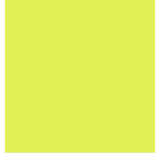
79.7941, 0.2780, 0.3097

Trichromacy



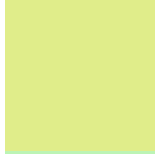
Original Color

80.4169, 0.3557, 0.5382



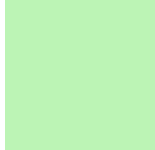
Protanomaly

78.8556, 0.3895, 0.4827



Deuteranomaly

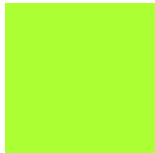
78.2506, 0.3654, 0.4358



Tritanomaly

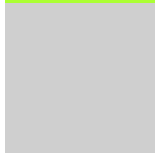
78.7289, 0.3137, 0.4020

Monochromacy



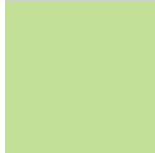
Original Color

80.4169, 0.3557, 0.5382



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.9827, 0.3394, 0.4178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4169, 0.3557, 0.5382 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 80.4169, 0.3557, 0.5382 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, 51) }
```

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

```
.border{ border-color:rgb(171, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4169, 0.3557, 0.5382 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, 51) }
```

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

```
.background{ background-color: rgb(171,  
255, 51) }
```

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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