

Converting Colors

Yxy(80.3752, 0.3567, 0.5404)

Have a look what the booklet for
Yxy(80.3752, 0.3567, 0.5404)
contains.

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Color

Yxy(80.3752, 0.3567, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF2E
RGB	171, 255, 46
RGB Percent	67%, 100%, 18%
CMY	0.3293, 0.0000, 0.8195
CMYK	0.33, 0.00, 0.82, 0.00
HSL	84°, 100%, 59%
HSV	84°, 82%, 100%
XYZ	53.0530, 80.3752, 15.3046
YIQ	206.0580, 17.0250, -82.8070

Conversions

Conversions Part 2

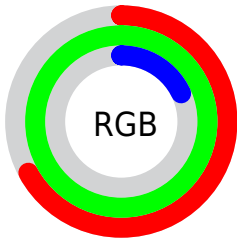
Format	Color
RYB	46, 255, 130
Decimal	11271982
CIELab	91.85, -53.20, 81.97
CIELCh	92, 97.718, 122.987
Yxy	80.3752, 0.3567, 0.5404
Android (android.graphics.Color)	4289462062 (0xFFABFF2E)
YUV	206.0580, -78.9086, -30.7459
Hunter-Lab	89.6522, -51.2614, 52.6351

Details

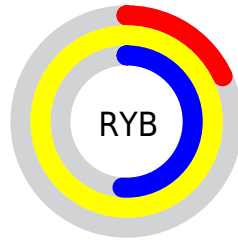
The Yxy color **80.3752, 0.3567, 0.5404** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.9223, 0.2047, 0.1009**, and the grayscale version is **62.2757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6788, 0.3767, 0.4715**, and **43.7677, 0.3449, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **79.1269, 0.3535, 0.5535**, and if you desaturate by 10%, it is **81.8389, 0.3574, 0.5220**.

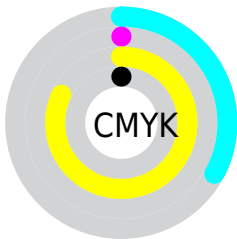
Distribution



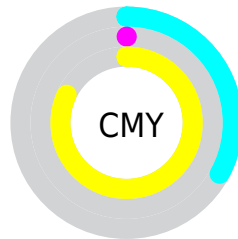
- Red (67%)
- Green (100%)
- Blue (18%)



- 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 80.3752, 0.3567, 0.5404 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 80.3752, 0.3567, 0.5404 by changing the saturation by 10% instead.


 80.3752, 0.3567,
0.5404


 80.3752, 0.3567,
0.5404


496.1964, 0.3465,
0.4423


 60.0272, 0.3559,
0.5611


 133.8931, 0.3556,
0.5074

 43.4405, 0.3532,
0.5852


 167.8318, 0.3545,
0.4942


 30.2309, 0.3473,
0.6133


 207.0694, 0.3532,
0.4827

 20.0139, 0.3365,
0.6467

 251.9905, 0.3518,
0.4726

 12.4052, 0.3163,
0.6837

 302.9793, 0.3504,
0.4636

 7.0202, 0.2797,
0.7203


360.4203, 0.3491,


 3.4748, 0.2254,


0.4557


0.7746

424.6978, 0.3478,
0.4487


 1.3843, 0.0000,
1.0000


 0.2051, 0.0000,
1.0000


 80.3752, 0.3567,
0.5404


 80.3752, 0.3567,
0.5404


 79.1269, 0.3535,
0.5535


 81.8389, 0.3574,
0.5220


 78.2469, 0.3497,
0.5606


 83.5279, 0.3557,
0.4991

 85.4628, 0.3518,
0.4727


 87.6585, 0.3460,
0.4443

 90.1289, 0.3390,
0.4153

 92.8862, 0.3311,
0.3867

 95.9420, 0.3227,
0.3594

 99.3072, 0.3143,
0.3338

 99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



80.3752, 0.4516, 0.4911



80.3752, 0.3567, 0.5404



80.3752, 0.2563, 0.5023

Triad

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



80.3752, 0.3567, 0.5404



80.3752, 0.1366, 0.1942



80.3752, 0.4568, 0.2714

Complementary

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



80.3752, 0.3567, 0.5404



13.9223, 0.2047, 0.1009

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.



80.3752, 0.3413, 0.2146



80.3752, 0.3567, 0.5404



80.3752, 0.1681, 0.1712

Square

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



80.3752, 0.3567, 0.5404



80.3752, 0.1381, 0.2599



80.3752, 0.2361, 0.1795



80.3752, 0.5256, 0.3398

Rectangle

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



80.3752, 0.3567, 0.5404



80.3752, 0.1993, 0.4231



80.3752, 0.2361, 0.1795



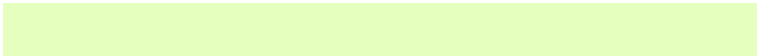
80.3752, 0.4205, 0.2506

Sweetspot

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



80.3787, 0.3567, 0.5404



92.0138, 0.3335, 0.3953



37.3215, 0.5275, 0.3964



19.4870, 0.3363, 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.



80.3787, 0.3567, 0.5404



78.4585, 0.3507, 0.5589



72.9082, 0.3058, 0.5782



20.7054, 0.3207, 0.3529



40.9750, 0.3507, 0.5597



4.0533, 0.3584, 0.5537

Inverse Universe

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



13.9223, 0.2047, 0.1009



10.3654, 0.1850, 0.0799



26.6863, 0.3000, 0.1511



17.7339, 0.3042, 0.3049



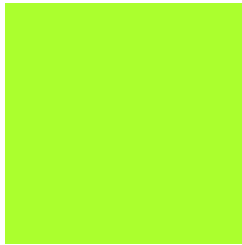
5.3441, 0.1845, 0.0790



0.5819, 0.1971, 0.0859

Previews

White Background



This preview shows how the Yxy color 80.3752, 0.3567, 0.5404 looks on a white background.

Color Contrast Check

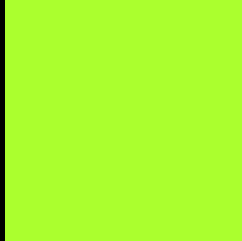
Large Text (above 18pt) WCAG AA × Fail

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 80.3752, 0.3567, 0.5404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

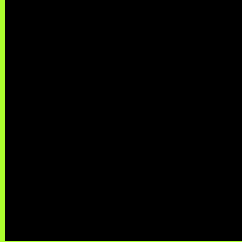
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

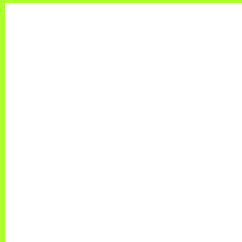
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3752, 0.3567, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 80.3752, 0.3567, 0.5404.

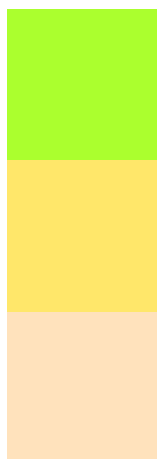


This preview shows how white text looks on a background with the Yxy color 80.3752, 0.3567, 0.5404.

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

80.3752, 0.3567, 0.5404

Protanopia

79.4524, 0.4091, 0.4488

Deuteranopia

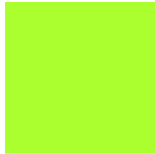
79.2836, 0.3595, 0.3677



Tritanopia

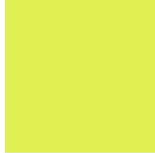
79.7941, 0.2780, 0.3097

Trichromacy



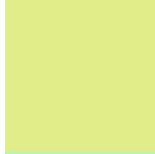
Original Color

80.3752, 0.3567, 0.5404



Protanomaly

78.8076, 0.3906, 0.4848



Deuteranomaly

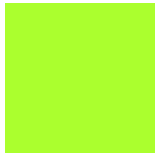
78.1932, 0.3666, 0.4378



Tritanomaly

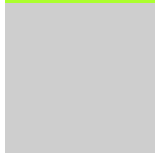
78.6474, 0.3148, 0.4044

Monochromacy



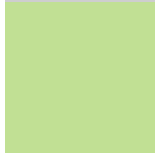
Original Color

80.3752, 0.3567, 0.5404



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.7869, 0.3399, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3752, 0.3567, 0.5404 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 46) }
```

Border

The CSS property to change the border of an element to Yxy 80.3752, 0.3567, 0.5404 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, 46) }
```

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

```
.border{ border-color:rgb(171, 255, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3752, 0.3567, 0.5404 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, 46) }
```

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

```
.background{ background-color: rgb(171,  
255, 46) }
```

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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