

Converting Colors

$Yxy(76.0968, 0.3546, 0.5336)$

Have a look what the booklet for
Yxy(76.0968, 0.3546, 0.5336)
contains.

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Color

Yxy(76.3716, 0.3548, 0.5338)

Conversions

Conversions Part 1

Format	Color
Hex	A8F939
RGB	168, 249, 57
RGB Percent	66%, 98%, 22%
CMY	0.3412, 0.0235, 0.7764
CMYK	0.33, 0.00, 0.77, 0.02
HSL	85°, 94%, 60%
HSV	85°, 77%, 98%
XYZ	50.7618, 76.3716, 15.9382
YIQ	202.8930, 13.3560, -76.8840

Conversions

Conversions Part 2

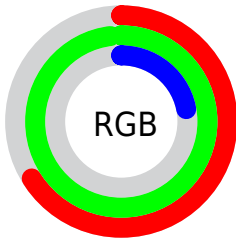
Format	Color
RYB	57, 249, 138
Decimal	11073849
CIELab	90.03, -51.37, 77.41
CIElCh	90, 92.901, 123.567
Yxy	76.3716, 0.3548, 0.5338
Android (android.graphics.Color)	4289263929 (0xFFA8F939)
YUV	202.8930, -71.9252, -30.6012
Hunter-Lab	87.3908, -49.2506, 50.3604

Details

The Yxy color **76.3716, 0.3548, 0.5338** 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 **15.1743, 0.2148, 0.1122**, and the grayscale version is **60.1064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3220, 0.3719, 0.4677**, and **40.9505, 0.3461, 0.5634** is the 20% darker color. If you saturate the color by 10%, you get **75.0773, 0.3526, 0.5498**, and if you desaturate by 10%, it is **77.8876, 0.3546, 0.5127**.

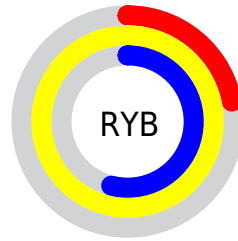
Distribution



Red (66%)

Green (98%)

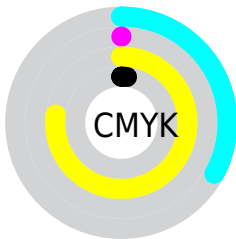
Blue (22%)



Red (22%)

Yellow (98%)

Blue (54%)

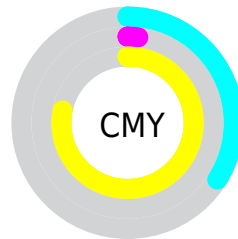


Cyan (33%)

Magenta (0%)

Yellow (77%)

Black (2%)



Cyan (34%)


Magenta (2%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3716, 0.3548, 0.5338 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 76.3716, 0.3548, 0.5338 by changing the saturation by 10% instead.


 76.3716, 0.3548,
0.5338


 76.3716, 0.3548,
0.5338


482.6188, 0.3444,
0.4374


 56.7373, 0.3542,
0.5546


 128.2520, 0.3535,
0.5010


 40.7943, 0.3519,
0.5791


 161.2670, 0.3523,
0.4880

 28.1584, 0.3465,
0.6080

 199.5108, 0.3509,
0.4767

 18.4451, 0.3361,
0.6424

 243.3681, 0.3496,
0.4668

 11.2700, 0.3169,
0.6831

 293.2231, 0.3482,
0.4581

 6.2488, 0.2790,
0.7210


349.4603, 0.3469,


 2.9969, 0.2217,


0.4504


0.7783

412.4641, 0.3456,
0.4435


 1.1301, 0.0000,
1.0000


 0.0035, 0.0000,
1.0000


 76.3716, 0.3548,
0.5338


 76.3716, 0.3548,
0.5338


 75.0773, 0.3526,
0.5498

 77.8876, 0.3546,
0.5127


 73.9721, 0.3481,
0.5605

 79.6329, 0.3521,
0.4875


 73.6785, 0.3466,
0.5630


 81.6264, 0.3475,
0.4597


 83.8817, 0.3414,
0.4306

 86.4115, 0.3343,
0.4015

 89.2273, 0.3265,
0.3733

 92.3400, 0.3184,
0.3467

 95.6806, 0.3111,
0.3233

 96.2353, 0.3130,
0.3233

Harmonies

Analogous

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



76.3716, 0.4473, 0.4890



76.3716, 0.3548, 0.5338



76.3716, 0.2569, 0.4939

Triad

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



76.3716, 0.3548, 0.5338



76.3716, 0.1411, 0.1973



76.3716, 0.4541, 0.2745

Complementary

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



76.3716, 0.3548, 0.5338



15.1743, 0.2148, 0.1122

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.



76.3716, 0.3429, 0.2185



76.3716, 0.3548, 0.5338



76.3716, 0.1727, 0.1750

Square

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



76.3716, 0.3548, 0.5338



76.3716, 0.1421, 0.2609



76.3716, 0.2401, 0.1835



76.3716, 0.5197, 0.3419

Rectangle

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



76.3716, 0.3548, 0.5338



76.3716, 0.2016, 0.4173



76.3716, 0.2401, 0.1835



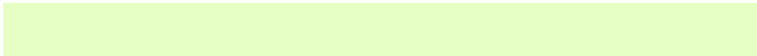
76.3716, 0.4193, 0.2541

Sweetspot

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



76.3750, 0.3548, 0.5338



92.3861, 0.3311, 0.3898



38.3319, 0.5090, 0.4002



19.5508, 0.3339, 0.4001



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.



76.3750, 0.3548, 0.5338



78.5247, 0.3501, 0.5568



69.4681, 0.3059, 0.5687



19.8046, 0.3204, 0.3529



39.5221, 0.3477, 0.5621



3.7228, 0.3560, 0.5556

Inverse Universe

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



15.1743, 0.2148, 0.1122



11.4938, 0.1939, 0.0866



27.0931, 0.3044, 0.1581



17.0009, 0.3045, 0.3049



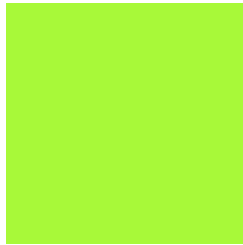
5.3504, 0.1880, 0.0809



0.5564, 0.2012, 0.0882

Previews

White Background



This preview shows how the Yxy color 76.3716, 0.3548, 0.5338 looks on a white background.

Color Contrast Check

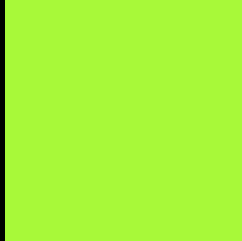
Large Text (above 18pt) WCAG AA × Fail

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 76.3716, 0.3548, 0.5338 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

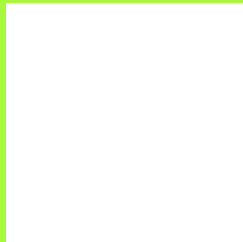
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3716, 0.3548, 0.5338

Background



This preview shows how black text looks on a background with the Yxy color 76.3716, 0.3548, 0.5338.



This preview shows how white text looks on a background with the Yxy color 76.3716, 0.3548, 0.5338.

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

76.3716, 0.3548, 0.5338

Protanopia

75.5144, 0.4325, 0.4782

Deuteranopia

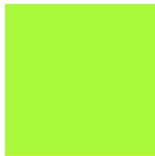
75.4250, 0.3726, 0.3783



Tritanopia

75.8847, 0.2762, 0.3082

Trichromacy



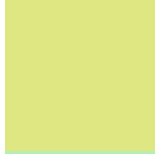
Original Color

76.3716, 0.3548, 0.5338



Protanomaly

74.6323, 0.4028, 0.4995



Deuteranomaly

74.4515, 0.3716, 0.4388



Tritanomaly

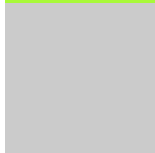
74.5116, 0.3114, 0.3977

Monochromacy



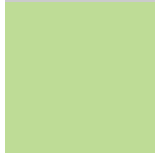
Original Color

76.3716, 0.3548, 0.5338



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.3356, 0.3372, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3716, 0.3548, 0.5338 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, 249, 57)` looks like.

```
.text, #text, p{  
    color:rgb(168, 249, 57)  
}
```

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, 249, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 249, 57) }
```

Border

The CSS property to change the border of an element to Yxy 76.3716, 0.3548, 0.5338 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, 249, 57) }
```

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

```
.border{ border-color:rgb(168, 249, 57) }
```

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

Here you see how a box with a 4 pixel rgb(168, 249, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 249, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 249, 57);  
box-shadow:4px 4px 4px 4px rgb(168, 249,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3716, 0.3548, 0.5338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 249, 57) }
```

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

```
.background{ background-color: rgb(168,  
249, 57) }
```

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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