

Converting Colors

$Yxy(77.9853, 0.3347, 0.5376)$

Have a look what the booklet for
Yxy(77.9853, 0.3347, 0.5376)
contains.

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Color

Yxy(77.9947, 0.3349, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	91FF47
RGB	145, 255, 71
RGB Percent	57%, 100%, 28%
CMY	0.4316, 0.0000, 0.7214
CMYK	0.43, 0.00, 0.72, 0.00
HSL	96°, 100%, 64%
HSV	96°, 72%, 100%
XYZ	48.5690, 77.9947, 18.4617
YIQ	201.1340, -6.4960, -80.5440

Conversions

Conversions Part 2

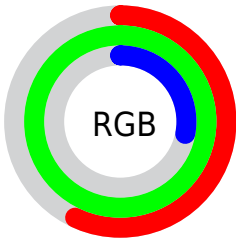
Format	Color
RYB	71, 255, 181
Decimal	9568071
CIELab	90.78, -60.51, 73.40
CIELCh	91, 95.127, 129.500
Yxy	77.9947, 0.3349, 0.5378
Android (android.graphics.Color)	4287758151 (0xFF91FF47)
YUV	201.1340, -64.1561, -49.2295
Hunter-Lab	88.3146, -56.3837, 49.4259

Details

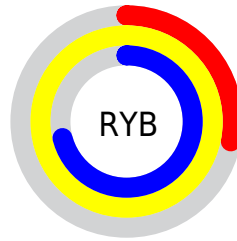
The Yxy color **77.9947, 0.3349, 0.5378** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **21.5664, 0.2498, 0.1368**, and the grayscale version is **58.8981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1108, 0.3504, 0.4645**, and **41.7715, 0.3263, 0.5791** is the 20% darker color. If you saturate the color by 10%, you get **76.4356, 0.3321, 0.5590**, and if you desaturate by 10%, it is **79.8694, 0.3358, 0.5115**.

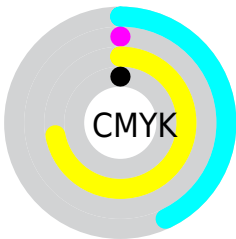
Distribution



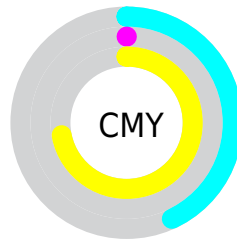
- Red (57%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (71%)



- Cyan (43%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9947, 0.3349, 0.5378 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 77.9947, 0.3349, 0.5378 by changing the saturation by 10% instead.

 77.9947, 0.3349,
0.5378

 77.9947, 0.3349,
0.5378


488.1488, 0.3331,
0.4376


 58.0696, 0.3327,
0.5601

 130.5427, 0.3363,
0.5032

 41.8646, 0.3286,
0.5870


 163.9343, 0.3363,
0.4896


 28.9953, 0.3212,
0.6192


 202.5836, 0.3359,
0.4779

 19.0773, 0.3080,
0.6579

 246.8750, 0.3355,
0.4677

 11.7261, 0.2885,
0.7115

 297.1928, 0.3349,
0.4588

 6.5575, 0.2458,
0.7542


353.9214, 0.3343,


 3.1869, 0.1820,

0.4509

0.8180


417.4453, 0.3337,
0.4439


 1.2301, 0.0000,
1.0000


 0.0861, 0.0000,
1.0000

 77.9947, 0.3349,
0.5378


 77.9947, 0.3349,
0.5378


 76.4356, 0.3321,
0.5590

 79.8694, 0.3358,
0.5115

 75.1778, 0.3274,
0.5740

 82.0936, 0.3348,
0.4817

 74.3713, 0.3230,
0.5817

 84.6832, 0.3323,
0.4503

 87.6564, 0.3285,
0.4189

■ 91.0298, 0.3240,
0.3886

■ 94.8192, 0.3190,
0.3602

■ 99.0394, 0.3138,
0.3342

■ 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.



77.9947, 0.4315, 0.5038



77.9947, 0.3349, 0.5378



77.9947, 0.2377, 0.4769

Triad

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



77.9947, 0.3349, 0.5378



77.9947, 0.1427, 0.1881



77.9947, 0.4749, 0.2864

Complementary

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



77.9947, 0.3349, 0.5378



21.5664, 0.2498, 0.1368

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.



77.9947, 0.3665, 0.2268



77.9947, 0.3349, 0.5378



77.9947, 0.1813, 0.1725

Square

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



77.9947, 0.3349, 0.5378



77.9947, 0.1370, 0.2428



77.9947, 0.2570, 0.1867



77.9947, 0.5271, 0.3557

Rectangle

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



77.9947, 0.3349, 0.5378



77.9947, 0.1862, 0.3924



77.9947, 0.2570, 0.1867



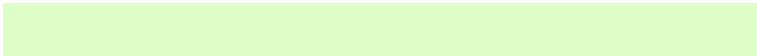
77.9947, 0.4425, 0.2650

Sweetspot

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



77.9908, 0.3349, 0.5378



91.0801, 0.3239, 0.3882



53.6960, 0.4658, 0.4285



19.2901, 0.3252, 0.3962



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.



77.9908, 0.3349, 0.5378



75.7890, 0.3300, 0.5671



73.5391, 0.2977, 0.5465



20.5242, 0.3177, 0.3531



38.9419, 0.3242, 0.5808



3.8532, 0.3329, 0.5739

Inverse Universe

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



21.5664, 0.2498, 0.1368



16.4086, 0.2338, 0.1119



32.0435, 0.3353, 0.1816



17.9151, 0.3073, 0.3051



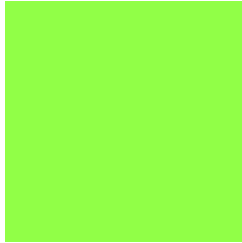
7.3776, 0.2226, 0.1000



0.7820, 0.2335, 0.1060

Previews

White Background



This preview shows how the Yxy color 77.9947, 0.3349, 0.5378 looks on a white background.

Color Contrast Check

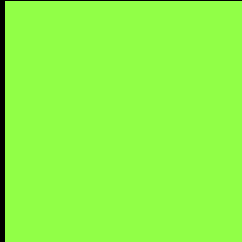
Large Text (above 18pt) WCAG AA × Fail

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 77.9947, 0.3349, 0.5378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

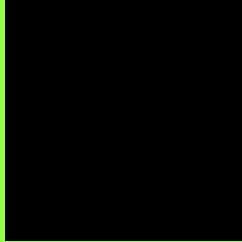
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

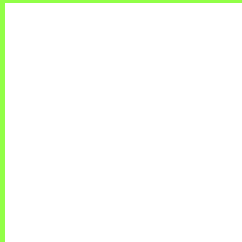
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9947, 0.3349, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 77.9947, 0.3349, 0.5378.



This preview shows how white text looks on a background with the Yxy color 77.9947, 0.3349, 0.5378.

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

77.9947, 0.3349, 0.5378

Protanopia

77.1170, 0.4287, 0.4729

Deuteranopia

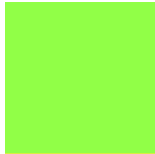
76.7169, 0.3677, 0.3741



Tritanopia

77.2534, 0.2668, 0.3091

Trichromacy



Original Color

77.9947, 0.3349, 0.5378



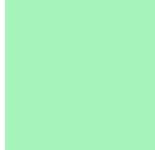
Protanomaly

76.0014, 0.3910, 0.4985



Deuteranomaly

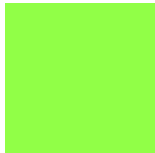
75.1568, 0.3592, 0.4346



Tritanomaly

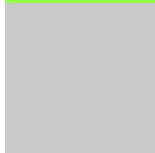
76.4392, 0.2963, 0.3962

Monochromacy



Original Color

77.9947, 0.3349, 0.5378



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8698, 0.3277, 0.4125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9947, 0.3349, 0.5378 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(145, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 71)  
}
```

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(145, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 71) }
```

Border

The CSS property to change the border of an element to Yxy 77.9947, 0.3349, 0.5378 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(145, 255, 71) }
```

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

```
.border{ border-color:rgb(145, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9947, 0.3349, 0.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 71) }
```

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

```
.background{ background-color: rgb(145,  
255, 71) }
```

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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