

Converting Colors

Yxy(77.0344, 0.3339, 0.5185)

Have a look what the booklet for
Yxy(77.0344, 0.3339, 0.5185)
contains.

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Color

Yxy(77.0344, 0.3339, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	98FC5A
RGB	152, 252, 90
RGB Percent	60%, 99%, 35%
CMY	0.4038, 0.0118, 0.6470
CMYK	0.40, 0.00, 0.64, 0.01
HSL	97°, 96%, 67%
HSV	97°, 64%, 99%
XYZ	49.6081, 77.0344, 21.9292
YIQ	203.6320, -7.5980, -71.5820

Conversions

Conversions Part 2

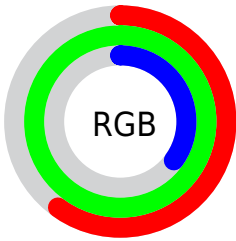
Format	Color
RYB	90, 252, 190
Decimal	10026074
CIELab	90.34, -55.78, 66.11
CIElCh	90, 86.497, 130.158
Yxy	77.0344, 0.3339, 0.5185
Android (android.graphics.Color)	4288216154 (0xFF98FC5A)
YUV	203.6320, -56.0206, -45.2813
Hunter-Lab	87.7692, -52.7061, 46.6248

Details

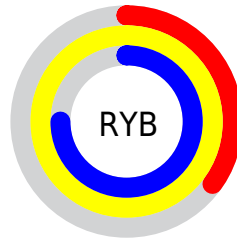
The Yxy color **77.0344, 0.3339, 0.5185** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **25.2892, 0.2613, 0.1556**, and the grayscale version is **60.5084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4442, 0.3464, 0.4467**, and **41.3847, 0.3293, 0.5649** is the 20% darker color. If you saturate the color by 10%, you get **75.2748, 0.3324, 0.5441**, and if you desaturate by 10%, it is **79.1428, 0.3335, 0.4890**.

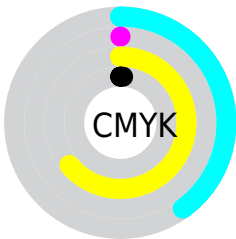
Distribution



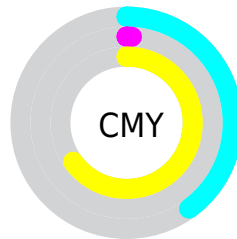
- Red (60%)
- Green (99%)
- Blue (35%)



- Red (35%)
- Yellow (99%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (64%)
- Black (1%)





- Cyan (40%)
- Magenta (1%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0344, 0.3339, 0.5185 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 77.0344, 0.3339, 0.5185 by changing the saturation by 10% instead.


 77.0344, 0.3339,
0.5185

 77.0344, 0.3339,
0.5185


484.8813, 0.3308,
0.4270

 57.2811, 0.3325,
0.5393


 129.1880, 0.3344,
0.4866


 41.2310, 0.3297,
0.5647


 162.3572, 0.3341,
0.4742

 28.4996, 0.3243,
0.5957


 200.7671, 0.3337,
0.4635

 18.7026, 0.3142,
0.6339

 244.8021, 0.3331,
0.4542

 11.4556, 0.2985,
0.6871

294.8466, 0.3326,
0.4461

 6.3742, 0.2624,
0.7376


351.2851, 0.3320,


 3.0739, 0.2020,


0.4390


0.7980


414.5018, 0.3313,
0.4326

 1.1704, 0.0000,
1.0000


 0.0374, 0.0000,
1.0000


 77.0344, 0.3339,
0.5185


 77.0344, 0.3339,
0.5185


 75.2748, 0.3324,
0.5441


 79.1428, 0.3335,
0.4890


 73.8312, 0.3291,
0.5643

 81.6106, 0.3316,
0.4576


 72.6798, 0.3241,
0.5780


 84.4596, 0.3284,
0.4258

 72.1339, 0.3209,
0.5834

 87.7069, 0.3243,
0.3950

 91.3687, 0.3197,
0.3661

 95.4598, 0.3148,
0.3396

 98.1018, 0.3128,
0.3262

Harmonies

Analogous

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



77.0344, 0.4238, 0.4936



77.0344, 0.3339, 0.5185



77.0344, 0.2433, 0.4600

Triad

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



77.0344, 0.3339, 0.5185



77.0344, 0.1541, 0.1978



77.0344, 0.4628, 0.2921

Complementary

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



77.0344, 0.3339, 0.5185



25.2892, 0.2613, 0.1556

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.



77.0344, 0.3650, 0.2352



77.0344, 0.3339, 0.5185



77.0344, 0.1918, 0.1829

Square

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



77.0344, 0.3339, 0.5185



77.0344, 0.1485, 0.2493



77.0344, 0.2639, 0.1967



77.0344, 0.5102, 0.3583

Rectangle

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



77.0344, 0.3339, 0.5185



77.0344, 0.1952, 0.3845



77.0344, 0.2639, 0.1967



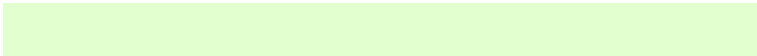
77.0344, 0.4337, 0.2717

Sweetspot

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



77.0377, 0.3339, 0.5185



92.0261, 0.3219, 0.3795



58.2204, 0.4429, 0.4270



19.4700, 0.3232, 0.3879



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.



77.0377, 0.3339, 0.5185



76.8850, 0.3317, 0.5503



72.8984, 0.2964, 0.5170



19.6330, 0.3174, 0.3531



37.6530, 0.3221, 0.5824



3.5461, 0.3313, 0.5751

Inverse Universe

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



25.2892, 0.2613, 0.1556



19.9959, 0.2479, 0.1292



33.8994, 0.3382, 0.1959



17.1734, 0.3076, 0.3052



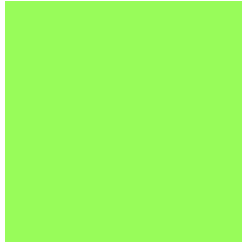
7.4062, 0.2269, 0.1023



0.7468, 0.2380, 0.1085

Previews

White Background



This preview shows how the Yxy color 77.0344, 0.3339, 0.5185 looks on a white background.

Color Contrast Check

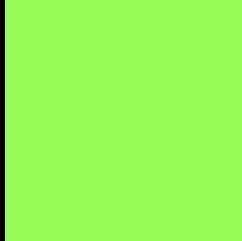
Large Text (above 18pt) WCAG AA × Fail

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 77.0344, 0.3339, 0.5185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

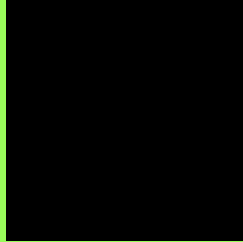
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

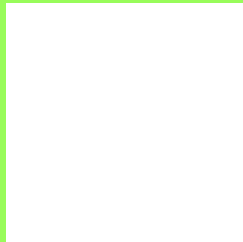
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0344, 0.3339, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 77.0344, 0.3339, 0.5185.

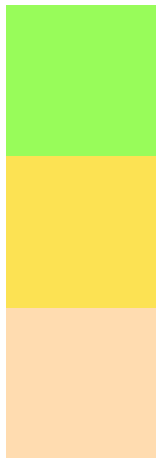


This preview shows how white text looks on a background with the Yxy color 77.0344, 0.3339, 0.5185.

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

77.0344, 0.3339, 0.5185

Protanopia

75.7127, 0.4207, 0.4623

Deuteranopia

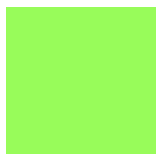
75.5810, 0.3697, 0.3742



Tritanopia

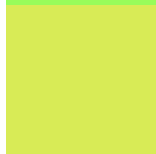
76.6759, 0.2667, 0.3079

Trichromacy



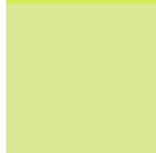
Original Color

77.0344, 0.3339, 0.5185



Protanomaly

74.6875, 0.3865, 0.4835



Deuteranomaly

74.6630, 0.3584, 0.4256



Tritanomaly

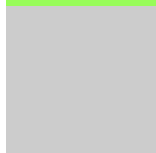
75.8794, 0.2941, 0.3850

Monochromacy



Original Color

77.0344, 0.3339, 0.5185



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.6715, 0.3249, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0344, 0.3339, 0.5185 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(152, 252, 90)` looks like.

```
.text, #text, p{  
    color:rgb(152, 252, 90)  
}
```

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(152, 252, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 252, 90) }
```

Border

The CSS property to change the border of an element to Yxy 77.0344, 0.3339, 0.5185 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(152, 252, 90) }
```

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

```
.border{ border-color:rgb(152, 252, 90) }
```

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

Here you see how a box with a 4 pixel rgb(152, 252, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 252, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 252, 90);  
box-shadow:4px 4px 4px 4px rgb(152, 252,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0344, 0.3339, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 252, 90) }
```

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

```
.background{ background-color: rgb(152,  
252, 90) }
```

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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