

Converting Colors

$Yxy(76.7490, 0.3399, 0.5683)$

Have a look what the booklet for
Yxy(76.7490, 0.3399, 0.5683)
contains.

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Color

Yxy(76.7542, 0.3399, 0.5683)

Conversions

Conversions Part 1

Format	Color
Hex	88FF00
RGB	136, 255, 0
RGB Percent	53%, 100%, 0%
CMY	0.4669, 0.0000, 0.9994
CMYK	0.47, 0.00, 1.00, 0.00
HSL	88°, 100%, 50%
HSV	88°, 100%, 100%
XYZ	45.9067, 76.7542, 12.3984
YIQ	190.3490, 10.9310, -104.5330

Conversions

Conversions Part 2

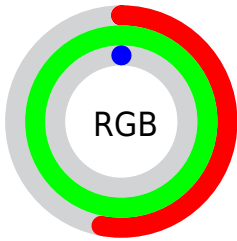
Format	Color
RYB	0, 255, 119
Decimal	8978176
CIELab	90.21, -65.50, 86.18
CIELCh	90, 108.243, 127.235
Yxy	76.7542, 0.3399, 0.5683
Android (android.graphics.Color)	4287168256 (0xFF88FF00)
YUV	190.3490, -93.8421, -47.6641
Hunter-Lab	87.6095, -59.7840, 52.9359

Details

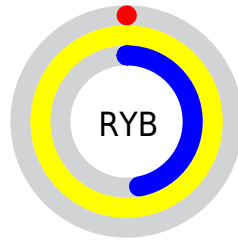
The Yxy color **76.7542, 0.3399, 0.5683** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.1593, 0.1942, 0.0844**, and the grayscale version is **52.2508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3161, 0.3616, 0.4996**, and **41.1977, 0.3185, 0.5853** is the 20% darker color. If you saturate the color by 10%, you get **76.7437, 0.3399, 0.5683**, and if you desaturate by 10%, it is **77.8752, 0.3451, 0.5584**.

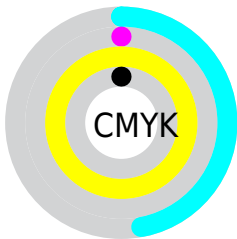
Distribution



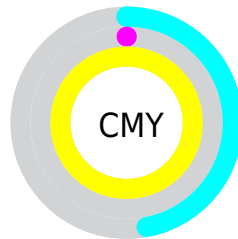
- Red (53%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (47%)



- Cyan (47%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7542, 0.3399, 0.5683 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 76.7542, 0.3399, 0.5683 by changing the saturation by 10% instead.


 76.7542, 0.3399,
0.5683


 76.7542, 0.3399,
0.5683


483.9256, 0.3397,
0.4552


 57.0512, 0.3361,
0.5923


 128.7925, 0.3428,
0.5300


 41.0463, 0.3296,
0.6203


 161.8965, 0.3431,
0.5147


 28.3553, 0.3184,
0.6527


 200.2362, 0.3429,
0.5014

 18.5936, 0.3027,
0.6963

 244.1962, 0.3425,
0.4898

 11.3770, 0.2697,
0.7303

 294.1607, 0.3419,
0.4796

 6.3210, 0.2232,
0.7768


 350.5142, 0.3412,


 3.0413, 0.1478,

0.4705


0.8522

413.6410, 0.3405,
0.4624


 1.1533, 0.0000,
1.0000

 0.0231, 0.0000,
1.0000


 76.7542, 0.3399,
0.5683


 76.7542, 0.3399,
0.5683

 76.7437, 0.3399,
0.5683


 77.8752, 0.3451,
0.5584


 79.2097, 0.3485,
0.5434


 80.7851, 0.3497,
0.5228


 82.6220, 0.3485,
0.4978

 84.7384, 0.3452,
0.4698

 87.1500, 0.3403,
0.4402

 89.8713, 0.3341,
0.4104

 92.9155, 0.3272,
0.3815

 96.2951, 0.3200,
0.3542

Harmonies

Analogous

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



76.7542, 0.4463, 0.5141



76.7542, 0.3399, 0.5683



76.7542, 0.2326, 0.5118

Triad

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



76.7542, 0.3399, 0.5683



76.7542, 0.1244, 0.1746



76.7542, 0.4898, 0.2738

Complementary

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



76.7542, 0.3399, 0.5683



11.1593, 0.1942, 0.0844

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.



76.7542, 0.3625, 0.2111



76.7542, 0.3399, 0.5683



76.7542, 0.1626, 0.1566

Square

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



76.7542, 0.3399, 0.5683



76.7542, 0.1201, 0.2362



76.7542, 0.2413, 0.1700



76.7542, 0.5531, 0.3468

Rectangle

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



76.7542, 0.3399, 0.5683



76.7542, 0.1749, 0.4129



76.7542, 0.2413, 0.1700



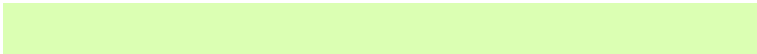
76.7542, 0.4511, 0.2513

Sweetspot

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



76.7496, 0.3399, 0.5683



89.8553, 0.3342, 0.4105



34.4719, 0.5534, 0.3987



18.9790, 0.3369, 0.4231



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.



76.7496, 0.3399, 0.5683



76.7437, 0.3399, 0.5683



71.5760, 0.3005, 0.5996



20.6446, 0.3197, 0.3530



40.1900, 0.3410, 0.5674



3.9782, 0.3493, 0.5608

Inverse Universe

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



11.1593, 0.1942, 0.0844



11.1508, 0.1942, 0.0843



26.9073, 0.3125, 0.1495



17.7937, 0.3052, 0.3050



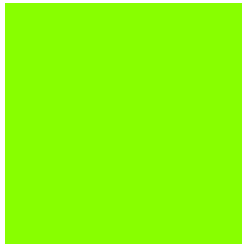
5.9135, 0.1959, 0.0853



0.6401, 0.2083, 0.0921

Previews

White Background



This preview shows how the Yxy color 76.7542, 0.3399, 0.5683 looks on a white background.

Color Contrast Check

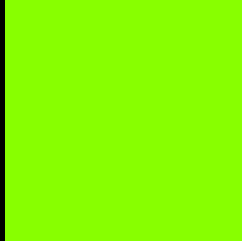
Large Text (above 18pt) WCAG AA × Fail

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 76.7542, 0.3399, 0.5683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

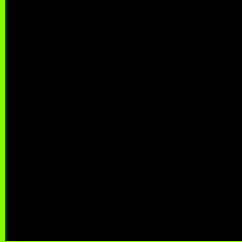
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7542, 0.3399, 0.5683

Background



This preview shows how black text looks on a background with the Yxy color 76.7542, 0.3399, 0.5683.



This preview shows how white text looks on a background with the Yxy color 76.7542, 0.3399, 0.5683.

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

76.7542, 0.3399, 0.5683

Protanopia

75.4635, 0.4405, 0.4884

Deuteranopia

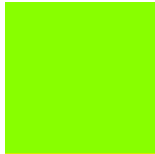
75.3867, 0.3733, 0.3793



Tritanopia

76.4463, 0.2631, 0.3089

Trichromacy



Original Color

76.7542, 0.3399, 0.5683



Protanomaly

74.4173, 0.3999, 0.5207



Deuteranomaly

73.3790, 0.3739, 0.4646



Tritanomaly

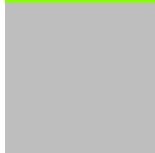
74.5791, 0.3056, 0.4303

Monochromacy



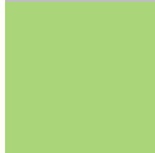
Original Color

76.7542, 0.3399, 0.5683



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

58.0197, 0.3415, 0.4496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7542, 0.3399, 0.5683 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(136, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 0)  
}
```

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(136, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.7542, 0.3399, 0.5683 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(136, 255, 0) }
```

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

```
.border{ border-color:rgb(136, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7542, 0.3399, 0.5683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 0) }
```

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

```
.background{ background-color: rgb(136,  
255, 0) }
```

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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