

Converting Colors

$Yxy(76.6061, 0.3330, 0.5576)$

Have a look what the booklet for
Yxy(76.6061, 0.3330, 0.5576)
contains.

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Color

Yxy(76.6308, 0.3330, 0.5574)

Conversions

Conversions Part 1

Format	Color
Hex	84FF2F
RGB	132, 255, 47
RGB Percent	52%, 100%, 18%
CMY	0.4826, 0.0000, 0.8156
CMYK	0.48, 0.00, 0.82, 0.00
HSL	96°, 100%, 59%
HSV	96°, 82%, 100%
XYZ	45.7805, 76.6308, 15.0677
YIQ	194.5110, -6.5400, -90.7640

Conversions

Conversions Part 2

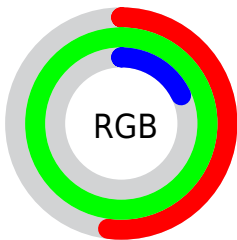
Format	Color
RYB	47, 255, 170
Decimal	8716079
CIELab	90.15, -65.61, 79.57
CIELCh	90, 103.133, 129.508
Yxy	76.6308, 0.3330, 0.5574
Android (android.graphics.Color)	4286906159 (0xFF84FF2F)
YUV	194.5110, -72.7229, -54.8221
Hunter-Lab	87.5390, -59.8427, 51.0720

Details

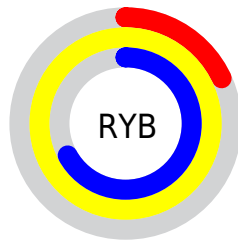
The Yxy color **76.6308, 0.3330, 0.5574** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.8092, 0.2383, 0.1190**, and the grayscale version is **54.6976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1592, 0.3513, 0.4852**, and **41.0563, 0.3166, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **75.3468, 0.3285, 0.5727**, and if you desaturate by 10%, it is **78.1992, 0.3357, 0.5359**.

Distribution



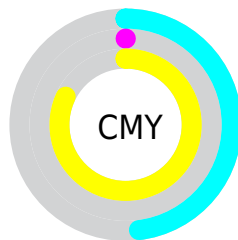
- Red (52%)
- Green (100%)
- Blue (18%)



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



- Cyan (48%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6308, 0.3330, 0.5574 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 76.6308, 0.3330, 0.5574 by changing the saturation by 10% instead.


 76.6308, 0.3330,
0.5574


 76.6308, 0.3330,
0.5574


483.5043, 0.3341,
0.4479


 56.9499, 0.3295,
0.5814


 128.6182, 0.3359,
0.5198


 40.9650, 0.3236,
0.6100


 161.6935, 0.3363,
0.5049

 28.2918, 0.3134,
0.6437

 200.0023, 0.3363,
0.4921

 18.5457, 0.2971,
0.6851

 243.9292, 0.3360,
0.4809

 11.3425, 0.2691,
0.7309

 293.8584, 0.3356,
0.4711

 6.2977, 0.2225,
0.7775


350.1744, 0.3352,


 3.0269, 0.1463,


0.4624


0.8537


413.2616, 0.3346,
0.4547


 1.1458, 0.0000,
1.0000


 0.0168, 0.0000,
1.0000


 76.6308, 0.3330,
0.5574


 76.6308, 0.3330,
0.5574


 75.3468, 0.3285,
0.5727

 78.1992, 0.3357,
0.5359

 74.4697, 0.3237,
0.5812

 80.0945, 0.3364,
0.5095

 82.3329, 0.3353,
0.4797

 84.9338, 0.3325,
0.4483

87.9151, 0.3286,
0.4170

91.2933, 0.3240,
0.3869

95.0837, 0.3188,
0.3587

99.3008, 0.3135,
0.3328

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.



76.6308, 0.4364, 0.5145



76.6308, 0.3330, 0.5574



76.6308, 0.2299, 0.4927

Triad

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



76.6308, 0.3330, 0.5574



76.6308, 0.1320, 0.1777



76.6308, 0.4892, 0.2819

Complementary

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



76.6308, 0.3330, 0.5574



17.8092, 0.2383, 0.1190

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.



76.6308, 0.3705, 0.2194



76.6308, 0.3330, 0.5574



76.6308, 0.1722, 0.1623

Square

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



76.6308, 0.3330, 0.5574



76.6308, 0.1256, 0.2344



76.6308, 0.2521, 0.1774



76.6308, 0.5443, 0.3540

Rectangle

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



76.6308, 0.3330, 0.5574



76.6308, 0.1757, 0.3976



76.6308, 0.2521, 0.1774



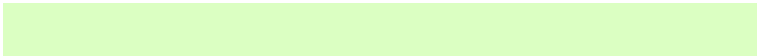
76.6308, 0.4538, 0.2595

Sweetspot

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



76.6251, 0.3330, 0.5574



90.4330, 0.3252, 0.3940



49.5955, 0.4865, 0.4323



19.0964, 0.3268, 0.4047



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.



76.6251, 0.3330, 0.5574



74.6649, 0.3248, 0.5793



72.4987, 0.2975, 0.5697



20.5302, 0.3178, 0.3531



38.9939, 0.3249, 0.5802



3.8586, 0.3337, 0.5733

Inverse Universe

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



17.8092, 0.2383, 0.1190



14.1003, 0.2215, 0.1000



29.4474, 0.3383, 0.1728



17.9090, 0.3072, 0.3051



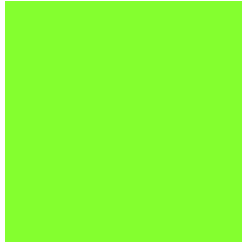
7.2944, 0.2211, 0.0992



0.7741, 0.2322, 0.1053

Previews

White Background



This preview shows how the Yxy color 76.6308, 0.3330, 0.5574 looks on a white background.

Color Contrast Check

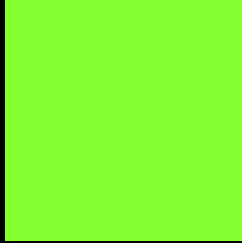
Large Text (above 18pt) WCAG AA × Fail

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 76.6308, 0.3330, 0.5574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

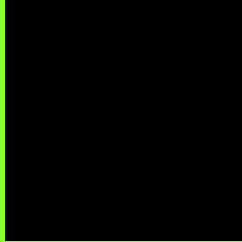
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6308, 0.3330, 0.5574

Background



This preview shows how black text looks on a background with the Yxy color 76.6308, 0.3330, 0.5574.

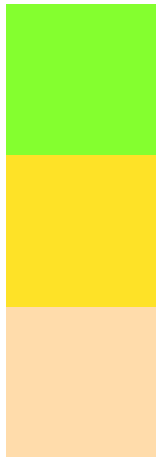


This preview shows how white text looks on a background with the Yxy color 76.6308, 0.3330, 0.5574.

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

76.6308, 0.3330, 0.5574

Protanopia

75.6100, 0.4360, 0.4817

Deuteranopia

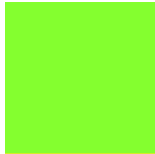
75.3867, 0.3733, 0.3793



Tritanopia

76.1132, 0.2616, 0.3088

Trichromacy



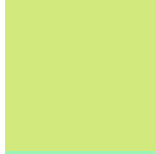
Original Color

76.6308, 0.3330, 0.5574



Protanomaly

74.4372, 0.3943, 0.5125



Deuteranomaly

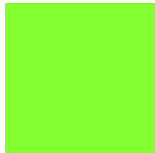
73.4858, 0.3632, 0.4487



Tritanomaly

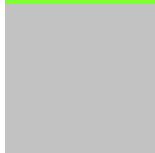
74.9246, 0.2948, 0.4090

Monochromacy



Original Color

76.6308, 0.3330, 0.5574



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.6927, 0.3294, 0.4260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6308, 0.3330, 0.5574 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(132, 255, 47)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 47)  
}
```

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(132, 255, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 47) }
```

Border

The CSS property to change the border of an element to Yxy 76.6308, 0.3330, 0.5574 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(132, 255, 47) }
```

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

```
.border{ border-color:rgb(132, 255, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6308, 0.3330, 0.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 47) }
```

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

```
.background{ background-color: rgb(132,  
255, 47) }
```

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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