

Converting Colors

$Yxy(76.6667, 0.3278, 0.5468)$

Have a look what the booklet for
Yxy(76.6667, 0.3278, 0.5468)
contains.

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Color

Yxy(76.6592, 0.3279, 0.5470)

Conversions

Conversions Part 1

Format	Color
Hex	82FF42
RGB	130, 255, 66
RGB Percent	51%, 100%, 26%
CMY	0.4901, 0.0000, 0.7411
CMYK	0.49, 0.00, 0.74, 0.00
HSL	100°, 100%, 63%
HSV	100°, 74%, 100%
XYZ	45.9535, 76.6592, 17.5321
YIQ	196.0790, -13.8310, -85.2790

Conversions

Conversions Part 2

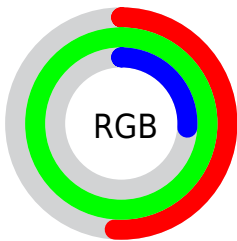
Format	Color
RYB	66, 255, 191
Decimal	8585026
CIELab	90.16, -65.17, 74.24
CIElCh	90, 98.786, 131.281
Yxy	76.6592, 0.3279, 0.5470
Android (android.graphics.Color)	4286775106 (0xFF82FF42)
YUV	196.0790, -64.1289, -57.9513
Hunter-Lab	87.5552, -59.5357, 49.4164

Details

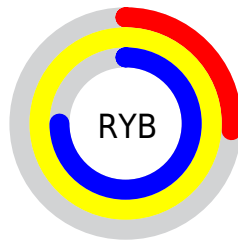
The Yxy color **76.6592, 0.3279, 0.5470** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **22.1955, 0.2587, 0.1384**, and the grayscale version is **55.6581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2328, 0.3437, 0.4725**, and **40.9893, 0.3156, 0.5876** is the 20% darker color. If you saturate the color by 10%, you get **75.1988, 0.3244, 0.5676**, and if you desaturate by 10%, it is **78.4779, 0.3297, 0.5207**.

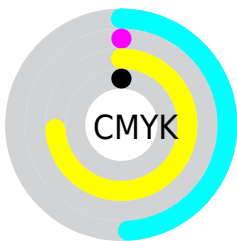
Distribution



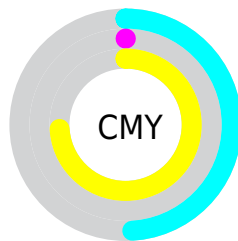
- Red (51%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6592, 0.3279, 0.5470 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 76.6592, 0.3279, 0.5470 by changing the saturation by 10% instead.


 76.6592, 0.3279,
0.5470

 76.6592, 0.3279,
0.5470


483.6013, 0.3299,
0.4415

 56.9732, 0.3247,
0.5707


 128.6583, 0.3308,
0.5104


 40.9837, 0.3192,
0.5991

 161.7402, 0.3312,
0.4961


 28.3064, 0.3099,
0.6334


 200.0562, 0.3314,
0.4838

 18.5567, 0.2944,
0.6745

 243.9906, 0.3313,
0.4730

 11.3504, 0.2706,
0.7294

 293.9280, 0.3310,
0.4637

 6.3031, 0.2242,
0.7758

350.2526, 0.3307,

 3.0302, 0.1490,

0.4554

0.8510

413.3489, 0.3303,
0.4481

■ 1.1475, 0.0000,
1.0000

■ 0.0182, 0.0000,
1.0000

■ 76.6592, 0.3279,
0.5470

■ 76.6592, 0.3279,
0.5470

■ 75.1988, 0.3244,
0.5676

■ 78.4779, 0.3297,
0.5207

■ 74.0580, 0.3196,
0.5815

■ 80.6719, 0.3298,
0.4905


■ 73.5159, 0.3164,
0.5870


■ 83.2670, 0.3284,
0.4584

■ 86.2841, 0.3258,
0.4261

 89.7425, 0.3225,
0.3949

 93.6601, 0.3186,
0.3658

 98.0539, 0.3144,
0.3392

 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.



76.6592, 0.4285, 0.5132



76.6592, 0.3279, 0.5470



76.6592, 0.2285, 0.4776

Triad

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



76.6592, 0.3279, 0.5470



76.6592, 0.1387, 0.1810



76.6592, 0.4873, 0.2882

Complementary

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



76.6592, 0.3279, 0.5470



22.1955, 0.2587, 0.1384

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.



76.6592, 0.3758, 0.2263



76.6592, 0.3279, 0.5470



76.6592, 0.1802, 0.1675

Square

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



76.6592, 0.3279, 0.5470



76.6592, 0.1308, 0.2340



76.6592, 0.2605, 0.1838



76.6592, 0.5362, 0.3593

Rectangle

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



76.6592, 0.3279, 0.5470



76.6592, 0.1772, 0.3865



76.6592, 0.2605, 0.1838



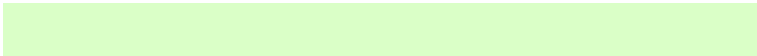
76.6592, 0.4545, 0.2661

Sweetspot

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



76.6621, 0.3279, 0.5470



90.5290, 0.3217, 0.3886



57.9886, 0.4591, 0.4408



19.1610, 0.3227, 0.3968



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.



76.6621, 0.3279, 0.5470



74.6023, 0.3222, 0.5752



73.4941, 0.2938, 0.5392



20.4671, 0.3167, 0.3532



38.4869, 0.3175, 0.5861



3.8046, 0.3260, 0.5793

Inverse Universe

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



22.1955, 0.2587, 0.1384



17.5335, 0.2450, 0.1165



30.6867, 0.3497, 0.1882



17.9743, 0.3083, 0.3052



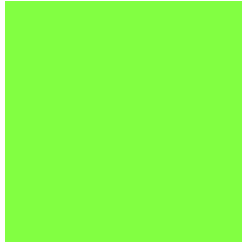
8.2444, 0.2369, 0.1079



0.8629, 0.2466, 0.1132

Previews

White Background



This preview shows how the Yxy color 76.6592, 0.3279, 0.5470 looks on a white background.

Color Contrast Check

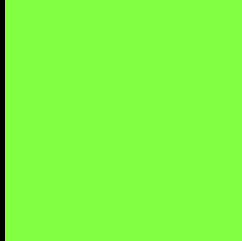
Large Text (above 18pt) WCAG AA × Fail

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 76.6592, 0.3279, 0.5470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

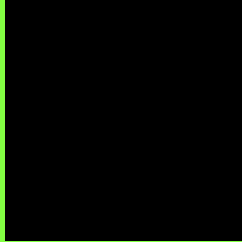
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

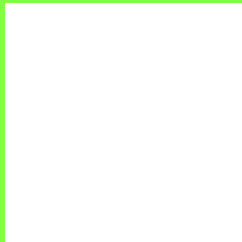
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6592, 0.3279, 0.5470

Background



This preview shows how black text looks on a background with the Yxy color 76.6592, 0.3279, 0.5470.

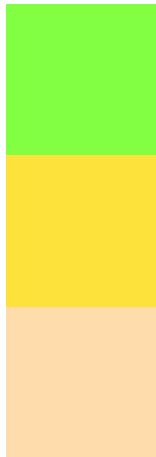


This preview shows how white text looks on a background with the Yxy color 76.6592, 0.3279, 0.5470.

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

76.6592, 0.3279, 0.5470

Protanopia

75.5911, 0.4302, 0.4748

Deuteranopia

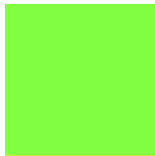
75.4250, 0.3726, 0.3783



Tritanopia

76.0039, 0.2611, 0.3088

Trichromacy



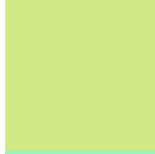
Original Color

76.6592, 0.3279, 0.5470



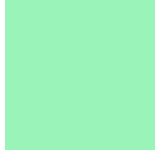
Protanomaly

74.3261, 0.3879, 0.5043



Deuteranomaly

73.6729, 0.3593, 0.4415



Tritanomaly

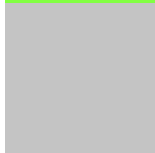
75.1166, 0.2905, 0.4001

Monochromacy



Original Color

76.6592, 0.3279, 0.5470



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.5663, 0.3249, 0.4164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6592, 0.3279, 0.5470 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(130, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 66)  
}
```

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(130, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 66) }
```

Border

The CSS property to change the border of an element to Yxy 76.6592, 0.3279, 0.5470 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(130, 255, 66) }
```

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

```
.border{ border-color:rgb(130, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6592, 0.3279, 0.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 66) }
```

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

```
.background{ background-color: rgb(130,  
255, 66) }
```

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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