

# Converting Colors

$Y_{xy}(76.2719, 0.3266, 0.5514)$

Have a look what the booklet for  
Yxy(76.2719, 0.3266, 0.5514)  
contains.

<b>Yxy(76.3034, 0.3267, 0.5512)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.3034, 0.3267, 0.5512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EFF3E
RGB	126, 255, 62
RGB Percent	49%, 100%, 24%
CMY	0.5062, 0.0000, 0.7568
CMYK	0.51, 0.00, 0.76, 0.00
HSL	100°, 100%, 62%
HSV	100°, 76%, 100%
XYZ	45.2255, 76.3034, 16.9025
YIQ	194.4270, -14.9310, -87.3710

# Conversions

## Conversions Part 2

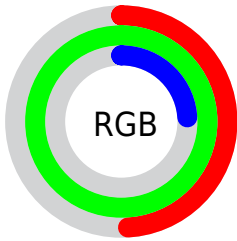
Format	Color
<a href="#">RYB</a>	62, 255, 191
Decimal	8322878
CIELab	90.00, -66.55, 75.27
CIELCh	90, 100.471, 131.481
Yxy	76.3034, 0.3267, 0.5512
Android (android.graphics.Color)	4286512958 (0xFF7EFF3E)
YUV	194.4270, -65.2865, -60.0105
Hunter-Lab	87.3518, -60.4491, 49.6737

# Details

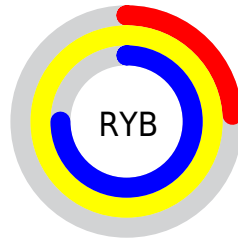
The Yxy color **76.3034, 0.3267, 0.5512** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **21.7544, 0.2585, 0.1362**, and the grayscale version is **54.6030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6165, 0.3429, 0.4778**, and **40.8024, 0.3130, 0.5897** is the 20% darker color. If you saturate the color by 10%, you get **74.8935, 0.3230, 0.5708**, and if you desaturate by 10%, it is **78.0544, 0.3288, 0.5256**.

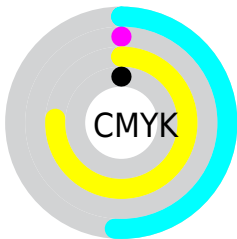
# Distribution



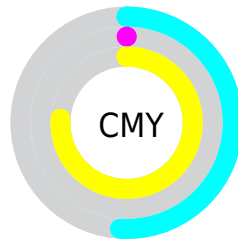
- Red (49%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (75%)



- Cyan (51%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3034, 0.3267, 0.5512 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 76.3034, 0.3267, 0.5512 by changing the saturation by 10% instead.




 76.3034, 0.3267,  
0.5512


 76.3034, 0.3267,  
0.5512


482.3857, 0.3296,  
0.4436


 56.6813, 0.3231,  
0.5753


 128.1557, 0.3300,  
0.5139


 40.7494, 0.3172,  
0.6043


 161.1547, 0.3306,  
0.4993

 28.1234, 0.3073,  
0.6390


 199.3815, 0.3308,  
0.4867

 18.4187, 0.2909,  
0.6808

 243.2204, 0.3308,  
0.4758

 11.2510, 0.2653,  
0.7347

 293.0559, 0.3306,  
0.4662

 6.2359, 0.2180,  
0.7820


349.2723, 0.3303,


 2.9891, 0.1383,


0.4578


0.8617


412.2541, 0.3300,  
0.4503


 1.1260, 0.0000,  
1.0000


 0.0000, 0.0000,  
1.0000


 76.3034, 0.3267,  
0.5512


 76.3034, 0.3267,  
0.5512


 74.8935, 0.3230,  
0.5708


 78.0544, 0.3288,  
0.5256


 73.8100, 0.3180,  
0.5836

 80.1897, 0.3292,  
0.4958


 73.4256, 0.3157,  
0.5875

 82.7275, 0.3281,  
0.4638

 85.6893, 0.3259,  
0.4313

 89.0949, 0.3227,  
0.3998

 92.9627, 0.3190,  
0.3702

 97.3101, 0.3150,  
0.3432

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.



76.3034, 0.4288, 0.5160



76.3034, 0.3267, 0.5512



76.3034, 0.2262, 0.4800

# Triad

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



76.3034, 0.3267, 0.5512



76.3034, 0.1366, 0.1786



76.3034, 0.4911, 0.2877

# Complementary

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



76.3034, 0.3267, 0.5512



21.7544, 0.2585, 0.1362

# 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.



76.3034, 0.3777, 0.2251



76.3034, 0.3267, 0.5512



76.3034, 0.1787, 0.1653

# Square

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



76.3034, 0.3267, 0.5512



76.3034, 0.1283, 0.2316



76.3034, 0.2602, 0.1820



76.3034, 0.5399, 0.3595



# Rectangle

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



76.3034, 0.3267, 0.5512



76.3034, 0.1745, 0.3865



76.3034, 0.2602, 0.1820



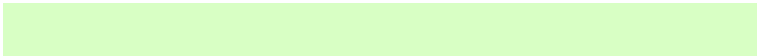
76.3034, 0.4578, 0.2654

# Sweetspot

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



76.2978, 0.3267, 0.5512



90.0859, 0.3218, 0.3916



58.7261, 0.4593, 0.4446



18.9980, 0.3230, 0.4026



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.



76.2978, 0.3267, 0.5512



74.2795, 0.3205, 0.5785



73.3559, 0.2928, 0.5401



20.4603, 0.3166, 0.3532



38.4386, 0.3168, 0.5867



3.7993, 0.3253, 0.5799



# Inverse Universe

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



21.7544, 0.2585, 0.1362



17.3137, 0.2449, 0.1154



30.0255, 0.3543, 0.1891



17.9814, 0.3085, 0.3052



8.3551, 0.2387, 0.1089

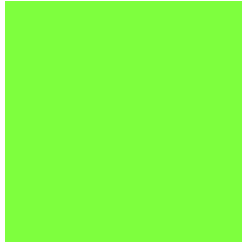


0.8731, 0.2482, 0.1141



# Previews

## White Background



This preview shows how the Yxy color 76.3034, 0.3267, 0.5512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

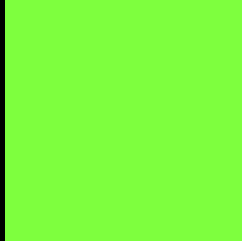
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3034, 0.3267, 0.5512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

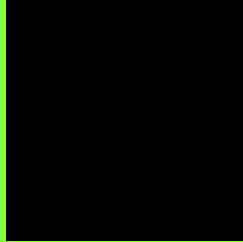
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

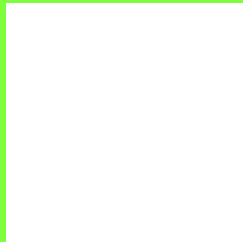
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3034, 0.3267, 0.5512**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3034, 0.3267, 0.5512.

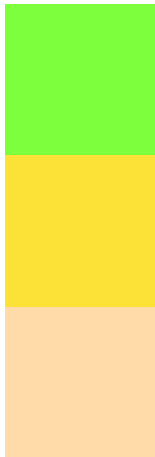


This preview shows how white text looks on a background with the Yxy color 76.3034, 0.3267, 0.5512.

# 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

76.3034, 0.3267, 0.5512

### Protanopia

74.8122, 0.4317, 0.4768

### Deuteranopia

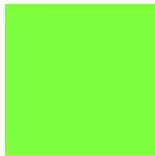
74.8253, 0.3743, 0.3794



## Tritanopia

75.6809, 0.2596, 0.3087

# Trichromacy



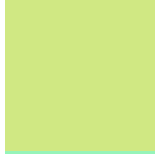
## Original Color

76.3034, 0.3267, 0.5512



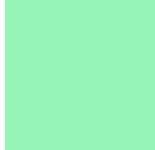
## Protanomaly

73.4081, 0.3884, 0.5074



## Deuteranomaly

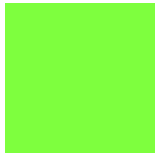
72.7618, 0.3592, 0.4433



## Tritanomaly

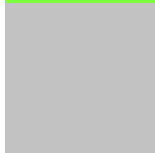
74.6882, 0.2888, 0.4019

# Monochromacy



## Original Color

76.3034, 0.3267, 0.5512



## Achromatopsia

53.9479, 0.3127, 0.3290



## Achromatomaly

59.6221, 0.3247, 0.4199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3034, 0.3267, 0.5512 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(126, 255, 62)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 62)  
}
```

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(126, 255, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 62) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3034, 0.3267, 0.5512 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(126, 255, 62) }
```

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

```
.border{ border-color:rgb(126, 255, 62) }
```

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

Here you see how a box with a 4 pixel rgb(126, 255, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 62);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
62) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3034, 0.3267, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 62) }
```

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

```
.background{ background-color: rgb(126,  
255, 62) }
```

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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