

# Converting Colors

$Yxy(76.6645, 0.3323, 0.5553)$

Have a look what the booklet for  
Yxy(76.6645, 0.3323, 0.5553)  
contains.

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**Color**

**Yxy(76.6645, 0.3323, 0.5553)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84FF33
RGB	132, 255, 51
RGB Percent	52%, 100%, 20%
CMY	0.4823, 0.0000, 0.7998
CMYK	0.48, 0.00, 0.80, 0.00
HSL	96°, 100%, 60%
HSV	96°, 80%, 100%
XYZ	45.8772, 76.6645, 15.5179
YIQ	194.9670, -7.8240, -89.5200

# Conversions

## Conversions Part 2

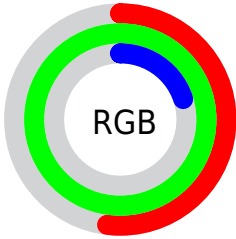
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">51, 255, 174</a>
Decimal	<a href="#">8716083</a>
CIELab	<a href="#">90.17, -65.40, 78.58</a>
CIELCh	<a href="#">90, 102.235, 129.772</a>
Yxy	<a href="#">76.6645, 0.3323, 0.5553</a>
Android (android.graphics.Color)	<a href="#">4286906163 (0xFF84FF33)</a>
YUV	<a href="#">194.9670, -70.9757, -55.2221</a>
Hunter-Lab	<a href="#">87.5583, -59.6997, 50.7829</a>

# Details

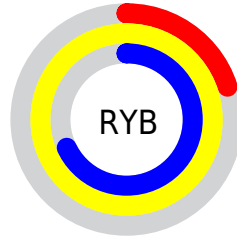
The Yxy color **76.6645, 0.3323, 0.5553** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **18.5962, 0.2422, 0.1227**, and the grayscale version is **54.9962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2042, 0.3504, 0.4834**, and **41.0563, 0.3166, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **75.3503, 0.3280, 0.5717**, and if you desaturate by 10%, it is **78.2900, 0.3348, 0.5328**.

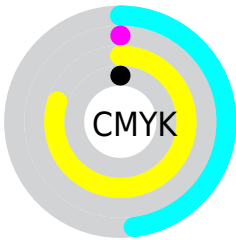
# Distribution



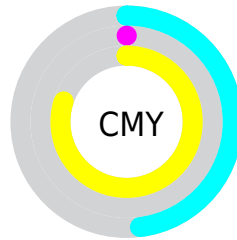
- Red (52%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (68%)



- Cyan (48%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6645, 0.3323, 0.5553 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 76.6645, 0.3323, 0.5553 by changing the saturation by 10% instead.




 76.6645, 0.3323,  
0.5553


 76.6645, 0.3323,  
0.5553


483.6194, 0.3334,  
0.4466

 56.9776, 0.3289,  
0.5793


 128.6658, 0.3351,  
0.5179


 40.9872, 0.3231,  
0.6077


 161.7489, 0.3355,  
0.5032


 28.3091, 0.3131,  
0.6416


 200.0662, 0.3355,  
0.4904

 18.5588, 0.2970,  
0.6826

 244.0021, 0.3353,  
0.4793

 11.3519, 0.2698,  
0.7302

 293.9410, 0.3349,  
0.4696

 6.3041, 0.2233,  
0.7767

350.2672, 0.3345,

 3.0308, 0.1478,

0.4610

0.8522

413.3652, 0.3339,  
0.4534

■ 1.1479, 0.0000,  
1.0000

■ 0.0185, 0.0000,  
1.0000

■ 76.6645, 0.3323,  
0.5553

■ 76.6645, 0.3323,  
0.5553

■ 75.3503, 0.3280,  
0.5717

■ 78.2900, 0.3348,  
0.5328

■ 74.3026, 0.3225,  
0.5822

■ 80.2438, 0.3353,  
0.5055

■ 74.3003, 0.3225,  
0.5822

■ 82.5504, 0.3340,  
0.4752

■ 85.2295, 0.3312,  
0.4436

■ 88.2990, 0.3274,  
0.4123

■ 91.7756, 0.3228,  
0.3823

■ 95.6748, 0.3178,  
0.3544

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.



76.6645, 0.4351, 0.5140



76.6645, 0.3323, 0.5553



76.6645, 0.2299, 0.4899

# Triad

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



76.6645, 0.3323, 0.5553



76.6645, 0.1333, 0.1785



76.6645, 0.4885, 0.2829

# Complementary

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



76.6645, 0.3323, 0.5553



18.5962, 0.2422, 0.1227

# 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.



76.6645, 0.3712, 0.2207



76.6645, 0.3323, 0.5553



76.6645, 0.1736, 0.1634

# Square

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



76.6645, 0.3323, 0.5553



76.6645, 0.1267, 0.2346



76.6645, 0.2535, 0.1786



76.6645, 0.5426, 0.3549



# Rectangle

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



76.6645, 0.3323, 0.5553



76.6645, 0.1762, 0.3958



76.6645, 0.2535, 0.1786



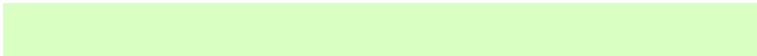
76.6645, 0.4536, 0.2607

# Sweetspot

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



76.6672, 0.3323, 0.5553



90.3263, 0.3247, 0.3941



51.5501, 0.4798, 0.4350



19.0710, 0.3263, 0.4049



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.



76.6672, 0.3323, 0.5553



74.6921, 0.3247, 0.5785



72.6863, 0.2967, 0.5634



20.5199, 0.3176, 0.3531



38.9042, 0.3236, 0.5813



3.8493, 0.3324, 0.5743



# Inverse Universe

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



18.5962, 0.2422, 0.1227



14.6918, 0.2259, 0.1030



29.6086, 0.3415, 0.1763



17.9195, 0.3074, 0.3051



7.4395, 0.2236, 0.1006

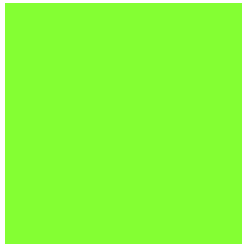


0.7878, 0.2345, 0.1065



# Previews

## White Background



This preview shows how the Yxy color 76.6645, 0.3323, 0.5553 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

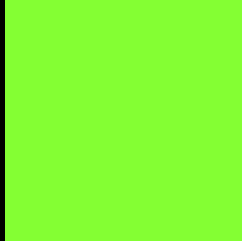
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.6645, 0.3323, 0.5553 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

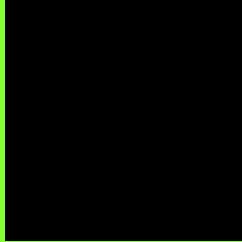
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

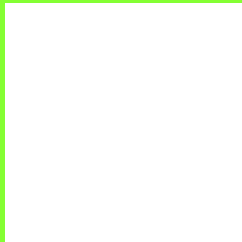
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.6645, 0.3323, 0.5553**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6645, 0.3323, 0.5553.



This preview shows how white text looks on a background with the Yxy color 76.6645, 0.3323, 0.5553.

# 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

76.6645, 0.3323, 0.5553

### Protanopia

75.4498, 0.4344, 0.4810

### Deuteranopia

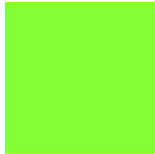
75.3867, 0.3733, 0.3793



## Tritanopia

76.1132, 0.2616, 0.3088

# Trichromacy



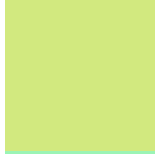
## Original Color

76.6645, 0.3323, 0.5553



## Protanomaly

74.3209, 0.3927, 0.5114



## Deuteranomaly

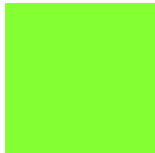
73.5118, 0.3627, 0.4477



## Tritanomaly

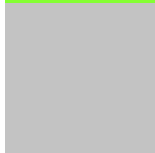
75.0061, 0.2937, 0.4064

# Monochromacy



## Original Color

76.6645, 0.3323, 0.5553



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

60.3795, 0.3287, 0.4242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6645, 0.3323, 0.5553 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 76.6645, 0.3323, 0.5553 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, 51) }
```

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

```
.border{ border-color:rgb(132, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.6645, 0.3323, 0.5553 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, 51) }
```

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

```
.background{ background-color: rgb(132,  
255, 51) }
```

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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