

# Converting Colors

$Y_{xy}(79.1968, 0.3387, 0.5262)$

Have a look what the booklet for  
Yxy(79.1968, 0.3387, 0.5262)  
contains.

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**Color**

**Yxy(79.1820, 0.3385, 0.5261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFF51
RGB	156, 255, 81
RGB Percent	61%, 100%, 32%
CMY	0.3885, 0.0000, 0.6824
CMYK	0.39, 0.00, 0.68, 0.00
HSL	94°, 100%, 66%
HSV	94°, 68%, 100%
XYZ	50.9468, 79.1820, 20.3787
YIQ	205.5630, -3.1500, -75.1020

# Conversions

## Conversions Part 2

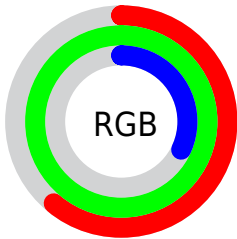
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 255, 180
Decimal	10288977
CIELab	91.32, -56.41, 70.63
CIELCh	91, 90.390, 128.616
Yxy	79.1820, 0.3385, 0.5261
Android (android.graphics.Color)	4288479057 (0xFF9CFF51)
YUV	205.5630, -61.4096, -43.4668
Hunter-Lab	88.9843, -53.5246, 48.7107

# Details

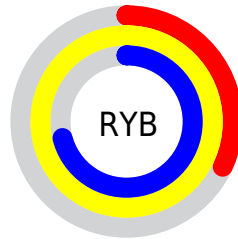
The Yxy color **79.1820, 0.3385, 0.5261** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **22.8106, 0.2496, 0.1430**, and the grayscale version is **61.8159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9539, 0.3539, 0.4533**, and **42.8772, 0.3342, 0.5726** is the 20% darker color. If you saturate the color by 10%, you get **77.5008, 0.3367, 0.5491**, and if you desaturate by 10%, it is **81.1680, 0.3383, 0.4987**.

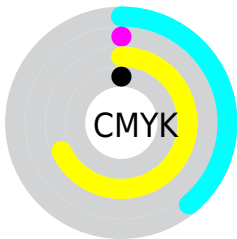
# Distribution



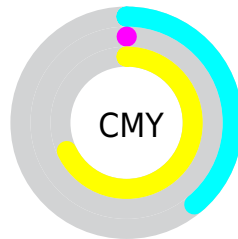
- Red (61%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (71%)



- Cyan (39%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1820, 0.3385, 0.5261 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 79.1820, 0.3385, 0.5261 by changing the saturation by 10% instead.





 79.1820, 0.3385,  
0.5261

 79.1820, 0.3385,  
0.5261


492.1718, 0.3341,  
0.4319


 59.0455, 0.3372,  
0.5471


 132.2150, 0.3388,  
0.4935

 42.6497, 0.3343,  
0.5725


 165.8803, 0.3384,  
0.4808

 29.6104, 0.3286,  
0.6031


 204.8240, 0.3378,  
0.4698

 19.5430, 0.3181,  
0.6401

 249.4305, 0.3371,  
0.4602

 12.0633, 0.3032,  
0.6943

300.0841, 0.3363,  
0.4518

 6.7868, 0.2646,  
0.7354

357.1692, 0.3356,

 3.3291, 0.2064,

0.4444

0.7936

421.0704, 0.3348,  
0.4378

■ 1.3059, 0.0000,  
1.0000

■ 0.1458, 0.0000,  
1.0000

■ 79.1820, 0.3385,  
0.5261

■ 79.1820, 0.3385,  
0.5261

■ 77.5008, 0.3367,  
0.5491

■ 81.1680, 0.3383,  
0.4987

■ 76.1190, 0.3328,  
0.5663

■ 83.4967, 0.3363,  
0.4685


■ 75.0007, 0.3274,  
0.5775

■ 86.1802, 0.3328,  
0.4374

■ 74.8251, 0.3264,  
0.5791

■ 89.2352, 0.3282,  
0.4066

 92.6773, 0.3230,  
0.3771

 96.5208, 0.3174,  
0.3498

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.



79.1820, 0.4304, 0.4951



79.1820, 0.3385, 0.5261



79.1820, 0.2449, 0.4706

# Triad

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



79.1820, 0.3385, 0.5261



79.1820, 0.1489, 0.1955



79.1820, 0.4638, 0.2872

# Complementary

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



79.1820, 0.3385, 0.5261



22.8106, 0.2496, 0.1430

# 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.



79.1820, 0.3608, 0.2299



79.1820, 0.3385, 0.5261



79.1820, 0.1855, 0.1790

# Square

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



79.1820, 0.3385, 0.5261



79.1820, 0.1446, 0.2502



79.1820, 0.2574, 0.1918



79.1820, 0.5159, 0.3544



# Rectangle

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



79.1820, 0.3385, 0.5261



79.1820, 0.1945, 0.3928



79.1820, 0.2574, 0.1918



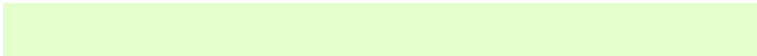
79.1820, 0.4328, 0.2666

# Sweetspot

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



79.1761, 0.3385, 0.5261



92.0434, 0.3239, 0.3822



54.3323, 0.4590, 0.4230



19.4896, 0.3254, 0.3904



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.



79.1761, 0.3385, 0.5261



76.9484, 0.3354, 0.5563



74.0516, 0.2989, 0.5384



20.5507, 0.3181, 0.3531



39.1818, 0.3275, 0.5781



3.8780, 0.3363, 0.5712



# Inverse Universe

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



22.8106, 0.2496, 0.1430



17.1577, 0.2336, 0.1161



33.6377, 0.3311, 0.1843



17.8880, 0.3069, 0.3051



7.0153, 0.2163, 0.0965

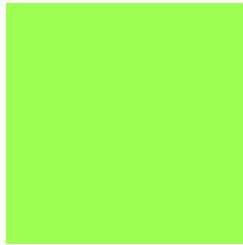


0.7476, 0.2277, 0.1028



# Previews

## White Background



This preview shows how the Yxy color 79.1820, 0.3385, 0.5261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

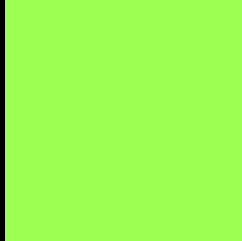
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1820, 0.3385, 0.5261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

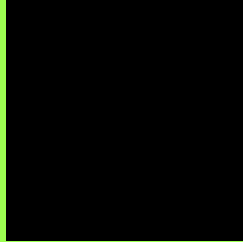
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

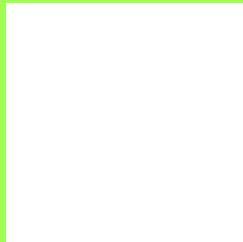
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1820, 0.3385, 0.5261**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1820, 0.3385, 0.5261.

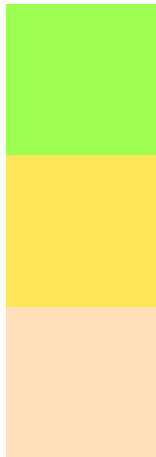


This preview shows how white text looks on a background with the Yxy color 79.1820, 0.3385, 0.5261.

# 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

79.1820, 0.3385, 0.5261

### Protanopia

78.0032, 0.4188, 0.4600

### Deuteranopia

78.0320, 0.3629, 0.3699



## Tritanopia

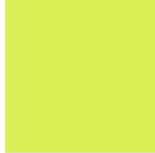
78.3532, 0.2717, 0.3093

# Trichromacy



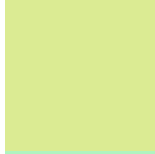
## Original Color

79.1820, 0.3385, 0.5261



## Protanomaly

76.8650, 0.3876, 0.4850



## Deuteranomaly

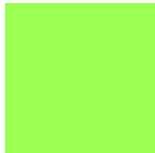
76.5833, 0.3570, 0.4260



## Tritanomaly

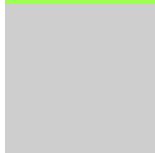
77.7372, 0.3000, 0.3902

# Monochromacy



## Original Color

79.1820, 0.3385, 0.5261



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.5759, 0.3279, 0.4056

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1820, 0.3385, 0.5261 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(156, 255, 81)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 81)  
}
```

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(156, 255, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1820, 0.3385, 0.5261 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(156, 255, 81) }
```

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

```
.border{ border-color:rgb(156, 255, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 81);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1820, 0.3385, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 81) }
```

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

```
.background{ background-color: rgb(156,  
255, 81) }
```

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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