

# Converting Colors

$Yxy(78.9313, 0.3594, 0.5329)$

Have a look what the booklet for  
Yxy(78.9313, 0.3594, 0.5329)  
contains.

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**Color**

**Yxy(79.1173, 0.3596, 0.5330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FC36
RGB	176, 252, 54
RGB Percent	69%, 99%, 21%
CMY	0.3098, 0.0117, 0.7884
CMYK	0.30, 0.00, 0.79, 0.01
HSL	83°, 97%, 60%
HSV	83°, 79%, 99%
XYZ	53.3782, 79.1173, 15.9422
YIQ	206.7040, 18.2620, -77.6900

# Conversions

## Conversions Part 2

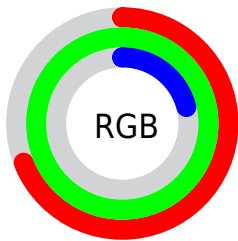
Format	Color
<a href="#">RYB</a>	<a href="#">54, 252, 130</a>
Decimal	<a href="#">11598902</a>
CIELab	<a href="#">91.29, -49.93, 79.57</a>
CIELCh	<a href="#">91, 93.932, 122.107</a>
Yxy	<a href="#">79.1173, 0.3596, 0.5330</a>
Android (android.graphics.Color)	<a href="#">4289788982 (0xFFB0FC36)</a>
YUV	<a href="#">206.7040, -75.2831, -26.9274</a>
Hunter-Lab	<a href="#">88.9479, -48.5399, 51.6369</a>

# Details

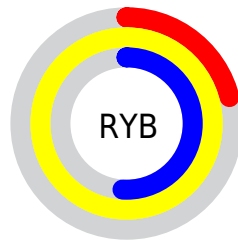
The Yxy color **79.1173, 0.3596, 0.5330** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.4081, 0.2067, 0.1060**, and the grayscale version is **62.6793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6372, 0.3779, 0.4656**, and **42.8121, 0.3509, 0.5595** is the 20% darker color. If you saturate the color by 10%, you get **77.8547, 0.3575, 0.5476**, and if you desaturate by 10%, it is **80.5897, 0.3592, 0.5133**.

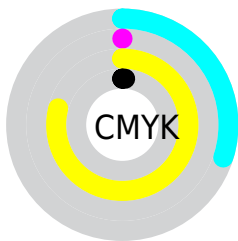
# Distribution



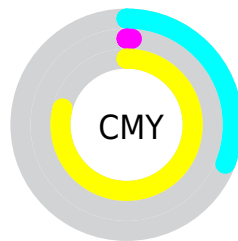
- Red (69%)
- Green (99%)
- Blue (21%)



- Red (21%)
- Yellow (99%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (79%)
- Black (1%)




- Cyan (31%)
- Magenta (1%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1173, 0.3596, 0.5330 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 79.1173, 0.3596, 0.5330 by changing the saturation by 10% instead.





 79.1173, 0.3596,  
0.5330

 79.1173, 0.3596,  
0.5330


491.9531, 0.3473,  
0.4382


 58.9923, 0.3594,  
0.5531


 132.1240, 0.3577,  
0.5010


 42.6069, 0.3576,  
0.5767


 165.7744, 0.3562,  
0.4882


 29.5768, 0.3528,  
0.6042


 204.7021, 0.3547,  
0.4771

 19.5176, 0.3433,  
0.6365

 249.2914, 0.3531,  
0.4674

 12.0449, 0.3255,  
0.6745

 299.9268, 0.3516,  
0.4587

 6.7742, 0.2904,  
0.7096

356.9926, 0.3501,

 3.3213, 0.2374,

0.4511

0.7626

420.8732, 0.3487,  
0.4443

■ 1.3017, 0.0000,  
1.0000

■ 0.1425, 0.0000,  
1.0000

■ 79.1173, 0.3596,  
0.5330

■ 79.1173, 0.3596,  
0.5330

■ 77.8547, 0.3575,  
0.5476

■ 80.5897, 0.3592,  
0.5133


■ 76.7660, 0.3532,  
0.5571


■ 82.2797, 0.3564,  
0.4894


■ 76.6218, 0.3525,  
0.5583


■ 84.2064, 0.3515,  
0.4626


■ 86.3837, 0.3449,  
0.4341

 88.8240, 0.3372,  
0.4053

 91.5391, 0.3288,  
0.3772

 94.5397, 0.3202,  
0.3505

 97.7991, 0.3118,  
0.3261

 98.1059, 0.3128,  
0.3262

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1173, 0.4513, 0.4856



79.1173, 0.3596, 0.5330



79.1173, 0.2615, 0.4981

# Triad

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



79.1173, 0.3596, 0.5330



79.1173, 0.1404, 0.1994



79.1173, 0.4492, 0.2715

# Complementary

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



79.1173, 0.3596, 0.5330



14.4081, 0.2067, 0.1060

# 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.



79.1173, 0.3374, 0.2163



79.1173, 0.3596, 0.5330



79.1173, 0.1705, 0.1754

# Square

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



79.1173, 0.3596, 0.5330



79.1173, 0.1431, 0.2653



79.1173, 0.2360, 0.1826



79.1173, 0.5180, 0.3385



# Rectangle

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



79.1173, 0.3596, 0.5330



79.1173, 0.2052, 0.4235



79.1173, 0.2360, 0.1826



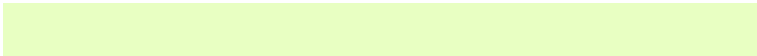
79.1173, 0.4139, 0.2512

# Sweetspot

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



79.1208, 0.3596, 0.5330



92.4797, 0.3334, 0.3924



36.8964, 0.5205, 0.3937



19.5865, 0.3364, 0.4025



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.



79.1208, 0.3596, 0.5330



79.3410, 0.3553, 0.5533



71.4726, 0.3077, 0.5706



19.8387, 0.3209, 0.3529



39.9977, 0.3536, 0.5574



3.7654, 0.3613, 0.5513



# Inverse Universe

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



14.4081, 0.2067, 0.1060



10.7151, 0.1865, 0.0821



26.3057, 0.2976, 0.1530



16.9677, 0.3039, 0.3049



5.0555, 0.1818, 0.0775

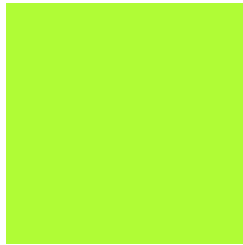


0.5271, 0.1949, 0.0847



# Previews

## White Background



This preview shows how the Yxy color 79.1173, 0.3596, 0.5330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

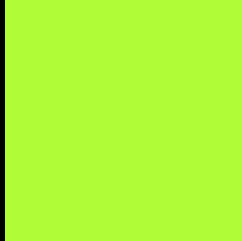
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1173, 0.3596, 0.5330 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

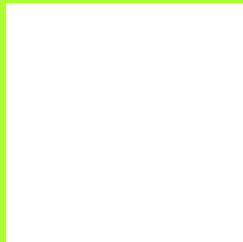
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.1173, 0.3596, 0.5330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1173, 0.3596, 0.5330.



This preview shows how white text looks on a background with the Yxy color 79.1173, 0.3596, 0.5330.

# 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

79.1173, 0.3596, 0.5330

### Protanopia

78.0199, 0.4184, 0.4594

### Deuteranopia

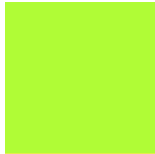
78.0320, 0.3629, 0.3699



## Tritanopia

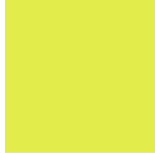
78.7879, 0.2801, 0.3097

# Trichromacy



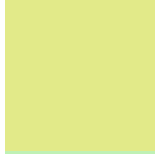
## Original Color

79.1173, 0.3596, 0.5330



## Protanomaly

77.2589, 0.3968, 0.4870



## Deuteranomaly

76.8205, 0.3686, 0.4336



## Tritanomaly

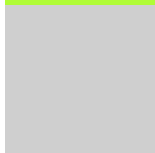
77.3232, 0.3159, 0.3985

# Monochromacy



## Original Color

79.1173, 0.3596, 0.5330



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.7455, 0.3405, 0.4152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1173, 0.3596, 0.5330 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(176, 252, 54)` looks like.

```
.text, #text, p{  
    color:rgb(176, 252, 54)  
}
```

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(176, 252, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 252, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1173, 0.3596, 0.5330 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(176, 252, 54) }
```

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

```
.border{ border-color:rgb(176, 252, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 252, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 252, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 252, 54);  
box-shadow:4px 4px 4px 4px rgb(176, 252,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1173, 0.3596, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 252, 54) }
```

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

```
.background{ background-color: rgb(176,  
252, 54) }
```

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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