

Converting Colors

$Yxy(81.0706, 0.3594, 0.5355)$

Have a look what the booklet for
Yxy(81.0706, 0.3594, 0.5355)
contains.

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Color

Yxy(81.1061, 0.3596, 0.5353)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF33
RGB	177, 255, 51
RGB Percent	69%, 100%, 20%
CMY	0.3060, 0.0000, 0.7997
CMYK	0.31, 0.00, 0.80, 0.00
HSL	83°, 100%, 60%
HSV	83°, 80%, 100%
XYZ	54.4849, 81.1061, 15.9243
YIQ	208.4220, 18.9960, -79.9800

Conversions

Conversions Part 2

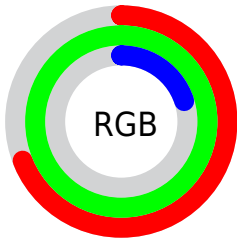
Format	Color
RYB	51, 255, 129
Decimal	11665203
CIELab	92.18, -50.94, 81.14
CIElCh	92, 95.805, 122.118
Yxy	81.1061, 0.3596, 0.5353
Android (android.graphics.Color)	4289855283 (0xFFB1FF33)
YUV	208.4220, -77.6090, -27.5571
Hunter-Lab	90.0589, -49.6122, 52.5576

Details

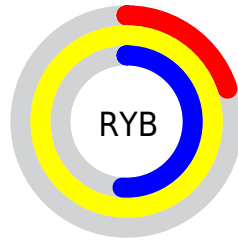
The Yxy color **81.1061, 0.3596, 0.5353** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.2718, 0.2045, 0.1031**, and the grayscale version is **63.8693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7623, 0.3795, 0.4669**, and **44.1701, 0.3495, 0.5607** is the 20% darker color. If you saturate the color by 10%, you get **79.8310, 0.3572, 0.5491**, and if you desaturate by 10%, it is **82.5802, 0.3596, 0.5163**.

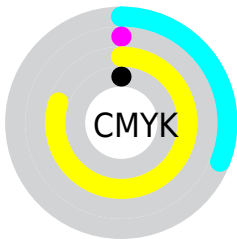
Distribution



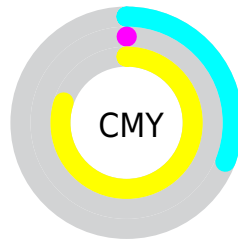
- Red (69%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (51%)



- Cyan (31%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1061, 0.3596, 0.5353 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 81.1061, 0.3596, 0.5353 by changing the saturation by 10% instead.


 81.1061, 0.3596,
0.5353


 81.1061, 0.3596,
0.5353


498.6527, 0.3477,
0.4399

 60.6290, 0.3593,
0.5554


 134.9197, 0.3579,
0.5033

 43.9258, 0.3573,
0.5788


 169.0250, 0.3565,
0.4904

 30.6122, 0.3523,
0.6061


 208.4419, 0.3550,
0.4792

 20.3037, 0.3426,
0.6380

 253.5546, 0.3534,
0.4694

 12.6160, 0.3248,
0.6752

 304.7477, 0.3519,
0.4607

 7.1647, 0.2901,
0.7099


362.4055, 0.3505,


 3.5653, 0.2383,


0.4530


0.7617


426.9123, 0.3490,
0.4461


 1.4335, 0.0259,
0.9741

 0.2412, 0.0000,
1.0000


 81.1061, 0.3596,
0.5353

 81.1061, 0.3596,
0.5353


 79.8310, 0.3572,
0.5491


 82.5802, 0.3596,
0.5163

 78.7337, 0.3527,
0.5581

 84.2818, 0.3571,
0.4929


 78.7302, 0.3527,
0.5582

 86.2241, 0.3524,
0.4664

 88.4217, 0.3460,
0.4381

 90.8877, 0.3384,
0.4093

 93.6340, 0.3301,
0.3811

 96.6720, 0.3214,
0.3541

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.



81.1061, 0.4522, 0.4867



81.1061, 0.3596, 0.5353



81.1061, 0.2607, 0.5004

Triad

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



81.1061, 0.3596, 0.5353



81.1061, 0.1390, 0.1981



81.1061, 0.4508, 0.2708

Complementary

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



81.1061, 0.3596, 0.5353



14.2718, 0.2045, 0.1031

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.



81.1061, 0.3376, 0.2153



81.1061, 0.3596, 0.5353



81.1061, 0.1692, 0.1740

Square

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



81.1061, 0.3596, 0.5353



81.1061, 0.1416, 0.2644



81.1061, 0.2352, 0.1813



81.1061, 0.5203, 0.3383

Rectangle

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



81.1061, 0.3596, 0.5353



81.1061, 0.2039, 0.4247



81.1061, 0.2352, 0.1813



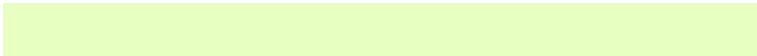
81.1061, 0.4150, 0.2505

Sweetspot

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



81.1030, 0.3596, 0.5353



92.4917, 0.3335, 0.3923



36.3844, 0.5286, 0.3902



19.5894, 0.3365, 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.



81.1030, 0.3596, 0.5353



79.1528, 0.3546, 0.5549



73.3911, 0.3084, 0.5727



20.7233, 0.3210, 0.3529



41.2267, 0.3537, 0.5573



4.0769, 0.3611, 0.5515

Inverse Universe

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



14.2718, 0.2045, 0.1031



10.3773, 0.1841, 0.0801



26.0584, 0.2938, 0.1496



17.7165, 0.3039, 0.3049



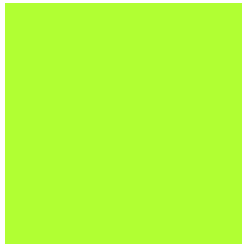
5.1964, 0.1815, 0.0773



0.5664, 0.1940, 0.0842

Previews

White Background



This preview shows how the Yxy color 81.1061, 0.3596, 0.5353 looks on a white background.

Color Contrast Check

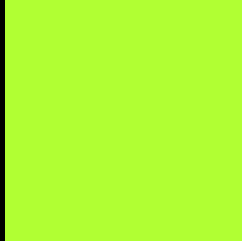
Large Text (above 18pt) WCAG AA × Fail

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 81.1061, 0.3596, 0.5353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

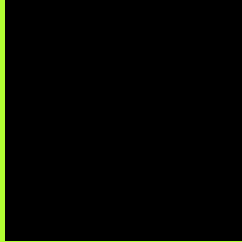
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.1061, 0.3596, 0.5353

Background



This preview shows how black text looks on a background with the Yxy color 81.1061, 0.3596, 0.5353.

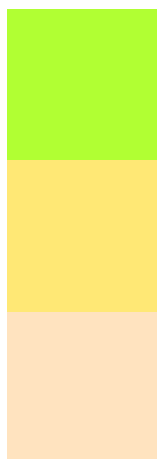


This preview shows how white text looks on a background with the Yxy color 81.1061, 0.3596, 0.5353.

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

81.1061, 0.3596, 0.5353

Protanopia

80.2576, 0.4027, 0.4409

Deuteranopia

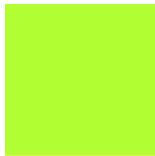
79.9598, 0.3572, 0.3656



Tritanopia

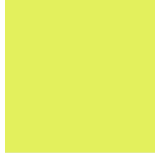
80.4849, 0.2809, 0.3099

Trichromacy



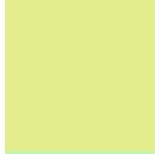
Original Color

81.1061, 0.3596, 0.5353



Protanomaly

79.4414, 0.3892, 0.4770



Deuteranomaly

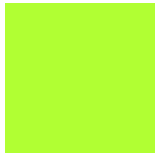
78.7927, 0.3665, 0.4329



Tritanomaly

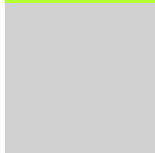
79.5069, 0.3176, 0.4012

Monochromacy



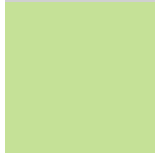
Original Color

81.1061, 0.3596, 0.5353



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.9551, 0.3408, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1061, 0.3596, 0.5353 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(177, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 81.1061, 0.3596, 0.5353 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(177, 255, 51) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1061, 0.3596, 0.5353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 51) }
```

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

```
.background{ background-color: rgb(177,  
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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