

Converting Colors

$Yxy(79.3952, 0.3541, 0.5503)$

Have a look what the booklet for
Yxy(79.3952, 0.3541, 0.5503)
contains.

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Color

Yxy(79.3952, 0.3541, 0.5503)

Conversions

Conversions Part 1

Format	Color
Hex	A3FF1D
RGB	163, 255, 29
RGB Percent	64%, 100%, 11%
CMY	0.3607, 0.0000, 0.8863
CMYK	0.36, 0.00, 0.89, 0.00
HSL	84°, 100%, 56%
HSV	84°, 89%, 100%
XYZ	51.0882, 79.3952, 13.7928
YIQ	201.7280, 17.7140, -89.7900

Conversions

Conversions Part 2

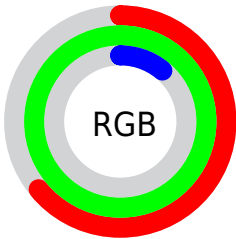
Format	Color
R _Y B	29, 255, 121
Decimal	10747677
CIE Lab	91.41, -56.45, 84.75
CIE LCh	91, 101.830, 123.668
Yxy	79.3952, 0.3541, 0.5503
Android (android.graphics.Color)	4288937757 (0xFFA3FF1D)
YUV	201.7280, -85.1549, -33.9645
Hunter-Lab	89.1040, -53.5881, 53.1950

Details

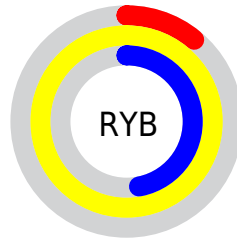
The Yxy color **79.3952, 0.3541, 0.5503** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **12.1614, 0.1967, 0.0907**, and the grayscale version is **59.4192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3266, 0.3761, 0.4821**, and **43.2129, 0.3384, 0.5695** is the 20% darker color. If you saturate the color by 10%, you get **78.2647, 0.3495, 0.5601**, and if you desaturate by 10%, it is **80.7202, 0.3565, 0.5354**.

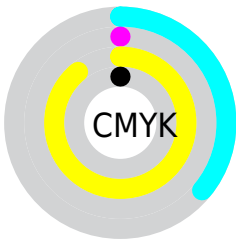
Distribution



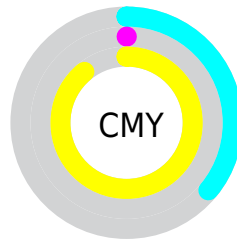
- Red (64%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.3952, 0.3541, 0.5503 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 79.3952, 0.3541, 0.5503 by changing the saturation by 10% instead.


 79.3952, 0.3541,
0.5503

 79.3952, 0.3541,
0.5503


492.8923, 0.3462,
0.4475

 59.2208, 0.3525,
0.5718


 132.5151, 0.3541,
0.5158


 42.7909, 0.3486,
0.5969


 166.2293, 0.3533,
0.5019

 29.7211, 0.3411,
0.6258


 205.2257, 0.3522,
0.4899

 19.6270, 0.3290,
0.6618

 249.8885, 0.3510,
0.4792

 12.1242, 0.3042,
0.6958

 300.6021, 0.3498,
0.4699

 6.8283, 0.2649,
0.7351

357.7511, 0.3485,

 3.3550, 0.2069,

0.4616

0.7931

421.7197, 0.3473,
0.4541

■ 1.3197, 0.0000,
1.0000

■ 0.1564, 0.0000,
1.0000

■ 79.3952, 0.3541,
0.5503

■ 79.3952, 0.3541,
0.5503

■ 78.2647, 0.3495,
0.5601


■ 80.7202, 0.3565,
0.5354


■ 78.1201, 0.3489,
0.5612


■ 82.2613, 0.3565,
0.5153


■ 84.0393, 0.3541,
0.4909

■ 86.0707, 0.3496,
0.4637

 88.3700, 0.3435,
0.4349

 90.9505, 0.3362,
0.4058

 93.8244, 0.3282,
0.3775

 97.0031, 0.3199,
0.3507

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.



79.3952, 0.4530, 0.4973



79.3952, 0.3541, 0.5503



79.3952, 0.2507, 0.5095

Triad

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



79.3952, 0.3541, 0.5503



79.3952, 0.1313, 0.1879



79.3952, 0.4657, 0.2701

Complementary

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



79.3952, 0.3541, 0.5503



12.1614, 0.1967, 0.0907

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.



79.3952, 0.3450, 0.2116



79.3952, 0.3541, 0.5503



79.3952, 0.1642, 0.1657

Square

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



79.3952, 0.3541, 0.5503



79.3952, 0.1316, 0.2540



79.3952, 0.2349, 0.1750



79.3952, 0.5354, 0.3402

Rectangle

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



79.3952, 0.3541, 0.5503



79.3952, 0.1925, 0.4245



79.3952, 0.2349, 0.1750



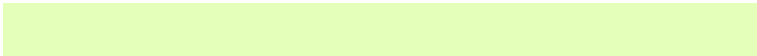
79.3952, 0.4279, 0.2488

Sweetspot

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



79.3968, 0.3541, 0.5503



91.3990, 0.3349, 0.4011



34.6363, 0.5463, 0.3934



19.3641, 0.3375, 0.4109



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.



79.3968, 0.3541, 0.5503



78.1201, 0.3489, 0.5612



72.3279, 0.3042, 0.5887



20.7006, 0.3206, 0.3529



40.9089, 0.3499, 0.5603



4.0470, 0.3576, 0.5542

Inverse Universe

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



12.1614, 0.1967, 0.0907



10.1501, 0.1837, 0.0786



25.3209, 0.2983, 0.1455



17.7386, 0.3043, 0.3049



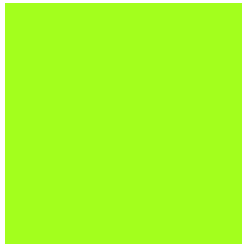
5.3854, 0.1854, 0.0795



0.5862, 0.1979, 0.0864

Previews

White Background



This preview shows how the Yxy color 79.3952, 0.3541, 0.5503 looks on a white background.

Color Contrast Check

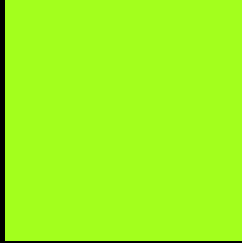
Large Text (above 18pt) WCAG AA × Fail

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 79.3952, 0.3541, 0.5503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

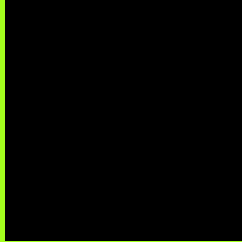
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

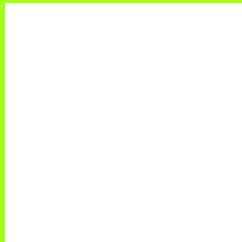
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3952, 0.3541, 0.5503

Background



This preview shows how black text looks on a background with the Yxy color 79.3952, 0.3541, 0.5503.

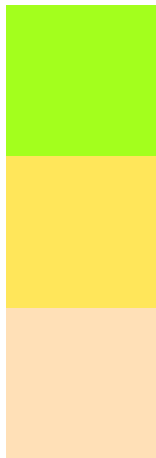


This preview shows how white text looks on a background with the Yxy color 79.3952, 0.3541, 0.5503.

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

79.3952, 0.3541, 0.5503

Protanopia

78.5918, 0.4173, 0.4595

Deuteranopia

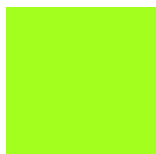
77.9902, 0.3636, 0.3709



Tritanopia

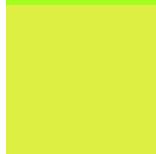
78.9948, 0.2745, 0.3095

Trichromacy



Original Color

79.3952, 0.3541, 0.5503



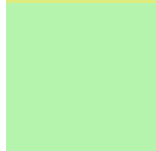
Protanomaly

77.6800, 0.3954, 0.4951



Deuteranomaly

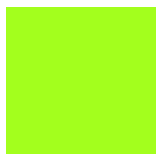
76.4786, 0.3709, 0.4456



Tritanomaly

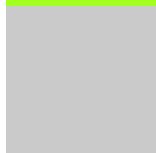
77.5423, 0.3137, 0.4127

Monochromacy



Original Color

79.3952, 0.3541, 0.5503



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

64.2683, 0.3425, 0.4294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3952, 0.3541, 0.5503 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(163, 255, 29)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 29)  
}
```

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(163, 255, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 29) }
```

Border

The CSS property to change the border of an element to Yxy 79.3952, 0.3541, 0.5503 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(163, 255, 29) }
```

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

```
.border{ border-color:rgb(163, 255, 29) }
```

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

Here you see how a box with a 4 pixel rgb(163, 255, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 29);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3952, 0.3541, 0.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 29) }
```

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

```
.background{ background-color: rgb(163,  
255, 29) }
```

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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