

Converting Colors

$Y_{xy}(79.4498, 0.3571, 0.5547)$

Have a look what the booklet for
Yxy(79.4498, 0.3571, 0.5547)
contains.

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Color

Yxy(79.4125, 0.3568, 0.5549)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF00
RGB	164, 255, 0
RGB Percent	64%, 100%, 0%
CMY	0.3571, 0.0000, 0.9999
CMYK	0.36, 0.00, 1.00, 0.00
HSL	81°, 100%, 50%
HSV	81°, 100%, 100%
XYZ	51.0621, 79.4125, 12.6367
YIQ	198.7210, 27.6190, -98.5970

Conversions

Conversions Part 2

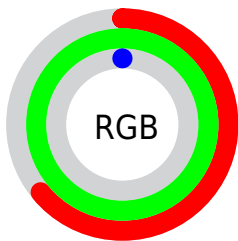
Format	Color
RYB	0, 255, 91
Decimal	10813184
CIELab	91.42, -56.55, 87.65
CIElCh	91, 104.313, 122.831
Yxy	79.4125, 0.3568, 0.5549
Android (android.graphics.Color)	4289003264 (0xFFA4FF00)
YUV	198.7210, -97.9695, -30.4503
Hunter-Lab	89.1137, -53.6685, 53.9720

Details

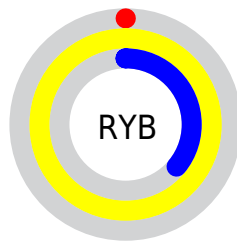
The Yxy color **79.4125, 0.3568, 0.5549** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **9.4492, 0.1761, 0.0744**, and the grayscale version is **57.5242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3357, 0.3799, 0.4876**, and **43.2717, 0.3391, 0.5690** is the 20% darker color. If you saturate the color by 10%, you get **79.4058, 0.3568, 0.5549**, and if you desaturate by 10%, it is **80.4831, 0.3610, 0.5462**.

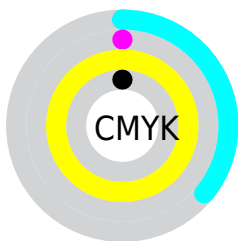
Distribution



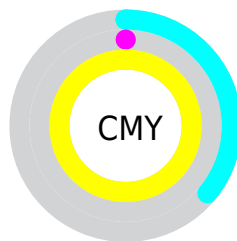
- Red (64%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (36%)



- Cyan (36%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4125, 0.3568, 0.5549 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 79.4125, 0.3568, 0.5549 by changing the saturation by 10% instead.


 79.4125, 0.3568,
0.5549

 79.4125, 0.3568,
0.5549


492.9507, 0.3485,
0.4507

 59.2350, 0.3550,
0.5764


 132.5394, 0.3569,
0.5202


 42.8023, 0.3508,
0.6012


 166.2577, 0.3560,
0.5061


 29.7301, 0.3428,
0.6295

 205.2583, 0.3549,
0.4939

 19.6338, 0.3310,
0.6666

 249.9256, 0.3537,
0.4831

 12.1291, 0.3038,
0.6962

 300.6442, 0.3524,
0.4735

 6.8317, 0.2645,
0.7355

 357.7983, 0.3510,

 3.3571, 0.2065,

0.4651

0.7935

421.7723, 0.3497,
0.4575

■ 1.3209, 0.0000,
1.0000

■ 0.1573, 0.0000,
1.0000

■ 79.4125, 0.3568,
0.5549

■ 79.4125, 0.3568,
0.5549

■ 79.4058, 0.3568,
0.5549

■ 80.4831, 0.3610,
0.5462

■ 81.7241, 0.3631,
0.5328

■ 83.1604, 0.3626,
0.5143

■ 84.8110, 0.3597,
0.4915

■ 86.6918, 0.3546,
0.4654

■ 88.8171, 0.3478,
0.4375

■ 91.1997, 0.3397,
0.4090

■ 93.8513, 0.3309,
0.3810

■ 96.7829, 0.3218,
0.3541

Harmonies

Analogous

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



79.4125, 0.4572, 0.4974



79.4125, 0.3568, 0.5549



79.4125, 0.2515, 0.5176

Triad

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



79.4125, 0.3568, 0.5549



79.4125, 0.1278, 0.1863



79.4125, 0.4662, 0.2668

Complementary

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



79.4125, 0.3568, 0.5549



9.4492, 0.1761, 0.0744

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.



79.4125, 0.3420, 0.2080



79.4125, 0.3568, 0.5549



79.4125, 0.1601, 0.1630

Square

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



79.4125, 0.3568, 0.5549



79.4125, 0.1289, 0.2546



79.4125, 0.2306, 0.1717



79.4125, 0.5395, 0.3374

Rectangle

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



79.4125, 0.3568, 0.5549



79.4125, 0.1918, 0.4310



79.4125, 0.2306, 0.1717



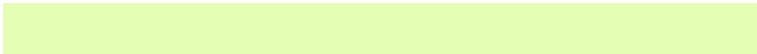
79.4125, 0.4271, 0.2453

Sweetspot

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



79.4072, 0.3568, 0.5549



91.1963, 0.3397, 0.4091



28.4502, 0.5867, 0.3723



19.2979, 0.3433, 0.4211



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.



79.4072, 0.3568, 0.5549



79.4058, 0.3568, 0.5549



71.9375, 0.3036, 0.5972



20.7473, 0.3214, 0.3529



41.5782, 0.3578, 0.5541



4.1098, 0.3648, 0.5485

Inverse Universe

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



9.4492, 0.1761, 0.0744



9.4473, 0.1760, 0.0743



21.9350, 0.2825, 0.1330



17.6933, 0.3035, 0.3048



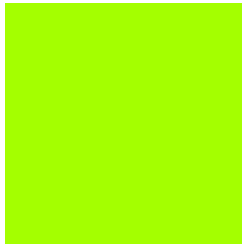
5.0123, 0.1776, 0.0752



0.5467, 0.1900, 0.0820

Previews

White Background



This preview shows how the Yxy color 79.4125, 0.3568, 0.5549 looks on a white background.

Color Contrast Check

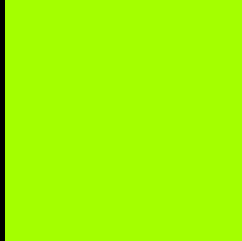
Large Text (above 18pt) WCAG AA × Fail

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 79.4125, 0.3568, 0.5549 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

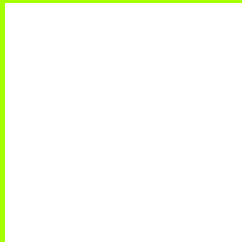
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.4125, 0.3568, 0.5549

Background



This preview shows how black text looks on a background with the Yxy color 79.4125, 0.3568, 0.5549.

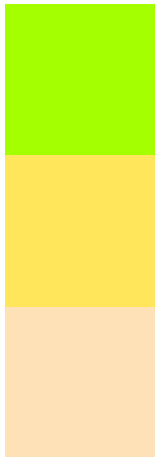


This preview shows how white text looks on a background with the Yxy color 79.4125, 0.3568, 0.5549.

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

79.4125, 0.3568, 0.5549

Protanopia

78.5918, 0.4173, 0.4595

Deuteranopia

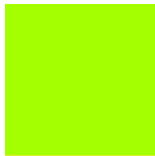
78.5293, 0.3633, 0.3719



Tritanopia

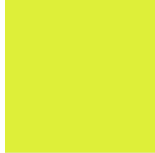
78.9948, 0.2745, 0.3095

Trichromacy



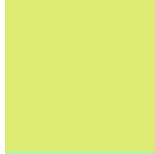
Original Color

79.4125, 0.3568, 0.5549



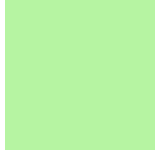
Protanomaly

77.5580, 0.3986, 0.5008



Deuteranomaly

76.7815, 0.3765, 0.4569



Tritanomaly

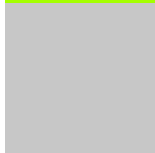
77.2551, 0.3206, 0.4258

Monochromacy



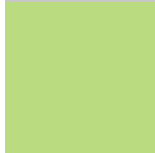
Original Color

79.4125, 0.3568, 0.5549



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.6344, 0.3489, 0.4423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4125, 0.3568, 0.5549 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(164, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 0)  
}
```

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(164, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 79.4125, 0.3568, 0.5549 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(164, 255, 0) }
```

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

```
.border{ border-color:rgb(164, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(164, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4125, 0.3568, 0.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 0) }
```

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

```
.background{ background-color: rgb(164,  
255, 0) }
```

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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