

Converting Colors

$Yxy(79.7028, 0.3455, 0.5307)$

Have a look what the booklet for
Yxy(79.7028, 0.3455, 0.5307)
contains.

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Color

Yxy(79.6563, 0.3452, 0.5308)

Conversions

Conversions Part 1

Format	Color
Hex	A2FF47
RGB	162, 255, 71
RGB Percent	64%, 100%, 28%
CMY	0.3646, 0.0000, 0.7215
CMYK	0.36, 0.00, 0.72, 0.00
HSL	90°, 100%, 64%
HSV	90°, 72%, 100%
XYZ	51.8036, 79.6563, 18.6085
YIQ	206.2170, 3.6360, -76.9400

Conversions

Conversions Part 2

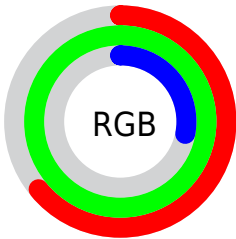
Format	Color
RYB	71, 255, 164
Decimal	10682183
CIELab	91.53, -55.07, 74.41
CIELCh	92, 92.570, 126.505
Yxy	79.6563, 0.3452, 0.5308
Android (android.graphics.Color)	4288872263 (0xFFA2FF47)
YUV	206.2170, -66.6620, -38.7783
Hunter-Lab	89.2504, -52.5814, 50.1134

Details

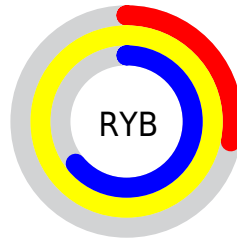
The Yxy color **79.6563, 0.3452, 0.5308** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **19.6198, 0.2347, 0.1293**, and the grayscale version is **62.3099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6613, 0.3620, 0.4591**, and **43.2129, 0.3384, 0.5695** is the 20% darker color. If you saturate the color by 10%, you get **78.1167, 0.3431, 0.5508**, and if you desaturate by 10%, it is **81.4784, 0.3450, 0.5060**.

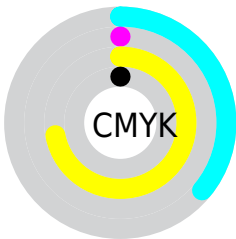
Distribution



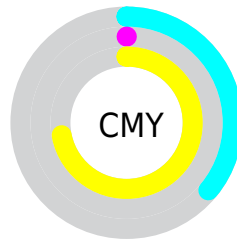
- Red (64%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (64%)



- Cyan (36%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6563, 0.3452, 0.5308 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 79.6563, 0.3452, 0.5308 by changing the saturation by 10% instead.


 79.6563, 0.3452,
0.5308


 79.6563, 0.3452,
0.5308

493.7738, 0.3385,
0.4353

 59.4356, 0.3441,
0.5518


 132.8824, 0.3449,
0.4981


 42.9638, 0.3415,
0.5767


 166.6566, 0.3442,
0.4851

 29.8568, 0.3359,
0.6066


 205.7173, 0.3433,
0.4740

 19.7299, 0.3252,
0.6419

 250.4490, 0.3423,
0.4642

 12.1988, 0.3091,
0.6909

 301.2362, 0.3414,
0.4556

 6.8793, 0.2709,
0.7291

358.4631, 0.3404,

 3.3867, 0.2143,

0.4481

0.7857

422.5141, 0.3394,
0.4413

■ 1.3368, 0.0000,
1.0000

■ 0.1694, 0.0000,
1.0000

■ 79.6563, 0.3452,
0.5308

■ 79.6563, 0.3452,
0.5308

■ 78.1167, 0.3431,
0.5508

■ 81.4784, 0.3450,
0.5060

■ 76.8265, 0.3389,
0.5650

■ 83.5918, 0.3428,
0.4778

■ 75.9664, 0.3345,
0.5726

■ 86.0171, 0.3388,
0.4478

■ 88.7697, 0.3335,
0.4175

91.8640, 0.3274,
0.3880

95.3132, 0.3209,
0.3601

99.1299, 0.3142,
0.3343

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



79.6563, 0.4378, 0.4934



79.6563, 0.3452, 0.5308



79.6563, 0.2493, 0.4814

Triad

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



79.6563, 0.3452, 0.5308



79.6563, 0.1449, 0.1955



79.6563, 0.4608, 0.2817

Complementary

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



79.6563, 0.3452, 0.5308



19.6198, 0.2347, 0.1293

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.



79.6563, 0.3537, 0.2247



79.6563, 0.3452, 0.5308



79.6563, 0.1795, 0.1766

Square

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



79.6563, 0.3452, 0.5308



79.6563, 0.1428, 0.2539



79.6563, 0.2499, 0.1877



79.6563, 0.5188, 0.3492

Rectangle

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



79.6563, 0.3452, 0.5308



79.6563, 0.1967, 0.4032



79.6563, 0.2499, 0.1877



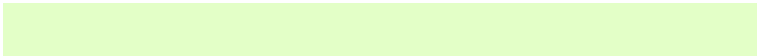
79.6563, 0.4280, 0.2610

Sweetspot

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



79.6598, 0.3452, 0.5308



91.9135, 0.3273, 0.3876



47.9129, 0.4796, 0.4142



19.4860, 0.3290, 0.3954



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.



79.6598, 0.3452, 0.5308



77.4615, 0.3413, 0.5584



73.3149, 0.3019, 0.5603



20.6094, 0.3191, 0.3530



39.7830, 0.3357, 0.5716



3.9384, 0.3443, 0.5648

Inverse Universe

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



19.6198, 0.2347, 0.1293



14.3584, 0.2159, 0.1022



32.9889, 0.3201, 0.1716



17.8288, 0.3058, 0.3050



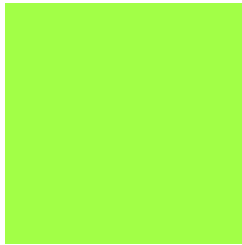
6.2941, 0.2031, 0.0893



0.6778, 0.2153, 0.0960

Previews

White Background



This preview shows how the Yxy color 79.6563, 0.3452, 0.5308 looks on a white background.

Color Contrast Check

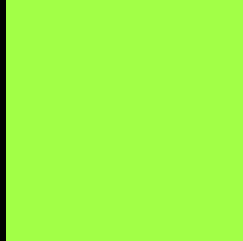
Large Text (above 18pt) WCAG AA × Fail

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 79.6563, 0.3452, 0.5308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

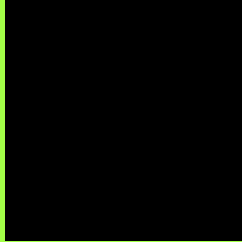
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

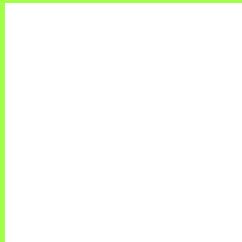
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.6563, 0.3452, 0.5308

Background



This preview shows how black text looks on a background with the Yxy color 79.6563, 0.3452, 0.5308.

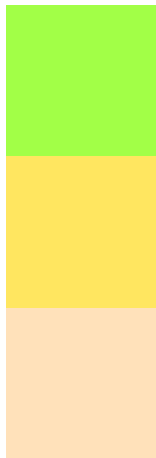


This preview shows how white text looks on a background with the Yxy color 79.6563, 0.3452, 0.5308.

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

79.6563, 0.3452, 0.5308

Protanopia

78.6982, 0.4146, 0.4554

Deuteranopia

78.6556, 0.3612, 0.3688



Tritanopia

78.8647, 0.2740, 0.3095

Trichromacy



Original Color

79.6563, 0.3452, 0.5308



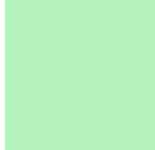
Protanomaly

77.7933, 0.3878, 0.4834



Deuteranomaly

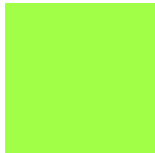
77.3767, 0.3600, 0.4296



Tritanomaly

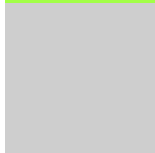
78.0355, 0.3047, 0.3946

Monochromacy



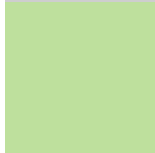
Original Color

79.6563, 0.3452, 0.5308



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.6928, 0.3320, 0.4102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6563, 0.3452, 0.5308 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(162, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 71)  
}
```

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(162, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 71) }
```

Border

The CSS property to change the border of an element to Yxy 79.6563, 0.3452, 0.5308 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(162, 255, 71) }
```

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

```
.border{ border-color:rgb(162, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6563, 0.3452, 0.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 71) }
```

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

```
.background{ background-color: rgb(162,  
255, 71) }
```

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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