

Converting Colors

$Y_{xy}(79.5877, 0.3410, 0.5245)$

Have a look what the booklet for
Yxy(79.5877, 0.3410, 0.5245)
contains.

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Color

Yxy(79.5877, 0.3410, 0.5245)

Conversions

Conversions Part 1

Format	Color
Hex	A0FF51
RGB	160, 255, 81
RGB Percent	63%, 100%, 32%
CMY	0.3725, 0.0000, 0.6825
CMYK	0.37, 0.00, 0.68, 0.00
HSL	93°, 100%, 66%
HSV	93°, 68%, 100%
XYZ	51.7434, 79.5877, 20.4090
YIQ	206.7590, -0.7660, -74.2540

Conversions

Conversions Part 2

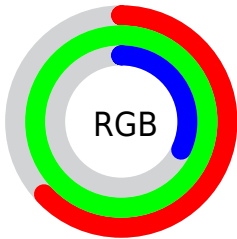
Format	Color
RYB	81, 255, 176
Decimal	10551121
CIELab	91.50, -55.10, 70.88
CIELCh	91, 89.778, 127.856
Yxy	79.5877, 0.3410, 0.5245
Android (android.graphics.Color)	4288741201 (0xFFA0FF51)
YUV	206.7590, -61.9992, -41.0076
Hunter-Lab	89.2119, -52.5900, 48.8846

Details

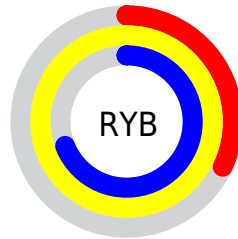
The Yxy color **79.5877, 0.3410, 0.5245** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **22.3206, 0.2460, 0.1412**, and the grayscale version is **62.6402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5706, 0.3566, 0.4521**, and **43.0997, 0.3369, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **77.9204, 0.3394, 0.5471**, and if you desaturate by 10%, it is **81.5611, 0.3405, 0.4975**.

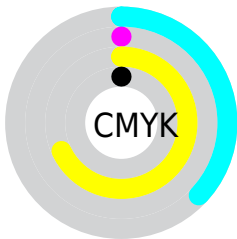
Distribution



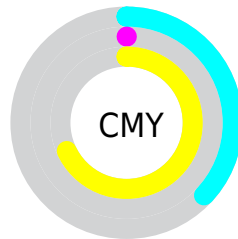
- Red (63%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5877, 0.3410, 0.5245 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 79.5877, 0.3410, 0.5245 by changing the saturation by 10% instead.


 79.5877, 0.3410,
0.5245

 79.5877, 0.3410,
0.5245


493.5423, 0.3354,
0.4314

 59.3791, 0.3400,
0.5452


 132.7859, 0.3409,
0.4924


 42.9184, 0.3374,
0.5701


 166.5443, 0.3403,
0.4798

 29.8211, 0.3322,
0.6002


 205.5882, 0.3396,
0.4689

 19.7028, 0.3222,
0.6364

 250.3018, 0.3387,
0.4594

 12.1792, 0.3081,
0.6892

301.0696, 0.3379,
0.4511

 6.8659, 0.2707,
0.7293


358.2761, 0.3371,


 3.3783, 0.2140,

0.4438

0.7860


422.3055, 0.3362,
0.4372


 1.3323, 0.0000,
1.0000


 0.1660, 0.0000,
1.0000

 79.5877, 0.3410,
0.5245


 79.5877, 0.3410,
0.5245

 77.9204, 0.3394,
0.5471


 81.5611, 0.3405,
0.4975

 76.5339, 0.3357,
0.5641

 83.8569, 0.3381,
0.4677

 75.4001, 0.3302,
0.5752

 86.4937, 0.3343,
0.4369

 75.2219, 0.3293,
0.5768

 89.4875, 0.3293,
0.4063

 92.8530, 0.3237,
0.3771

 96.6041, 0.3177,
0.3498

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.



79.5877, 0.4320, 0.4926



79.5877, 0.3410, 0.5245



79.5877, 0.2477, 0.4717

Triad

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



79.5877, 0.3410, 0.5245



79.5877, 0.1494, 0.1973



79.5877, 0.4604, 0.2860

Complementary

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



79.5877, 0.3410, 0.5245



22.3206, 0.2460, 0.1412

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.



79.5877, 0.3577, 0.2293



79.5877, 0.3410, 0.5245



79.5877, 0.1850, 0.1800

Square

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



79.5877, 0.3410, 0.5245



79.5877, 0.1461, 0.2529



79.5877, 0.2556, 0.1920



79.5877, 0.5139, 0.3528

Rectangle

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



79.5877, 0.3410, 0.5245



79.5877, 0.1971, 0.3954



79.5877, 0.2556, 0.1920



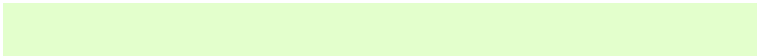
79.5877, 0.4293, 0.2656

Sweetspot

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



79.5887, 0.3410, 0.5245



92.2378, 0.3247, 0.3821



52.0399, 0.4639, 0.4176



19.5360, 0.3263, 0.3902



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.



79.5887, 0.3410, 0.5245



77.3693, 0.3382, 0.5542



73.9514, 0.3007, 0.5442



20.5722, 0.3185, 0.3531



39.3911, 0.3304, 0.5758



3.8993, 0.3392, 0.5689

Inverse Universe

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



22.3206, 0.2460, 0.1412



16.6411, 0.2293, 0.1138



33.9899, 0.3254, 0.1804



17.8662, 0.3065, 0.3050



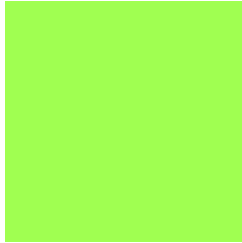
6.7379, 0.2113, 0.0938



0.7210, 0.2230, 0.1002

Previews

White Background



This preview shows how the Yxy color 79.5877, 0.3410, 0.5245 looks on a white background.

Color Contrast Check

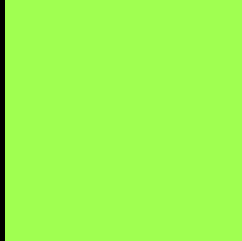
Large Text (above 18pt) WCAG AA × Fail

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 79.5877, 0.3410, 0.5245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

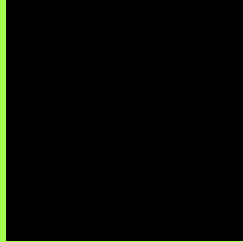
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

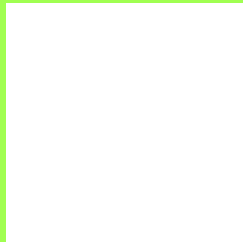
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.5877, 0.3410, 0.5245

Background



This preview shows how black text looks on a background with the Yxy color 79.5877, 0.3410, 0.5245.

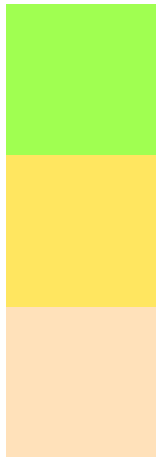


This preview shows how white text looks on a background with the Yxy color 79.5877, 0.3410, 0.5245.

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

79.5877, 0.3410, 0.5245

Protanopia

78.6982, 0.4146, 0.4554

Deuteranopia

78.6556, 0.3612, 0.3688



Tritanopia

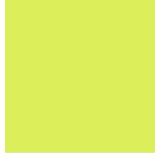
78.7355, 0.2734, 0.3094

Trichromacy



Original Color

79.5877, 0.3410, 0.5245



Protanomaly

77.7040, 0.3854, 0.4809



Deuteranomaly

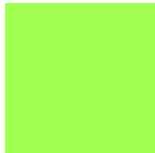
77.3447, 0.3569, 0.4256



Tritanomaly

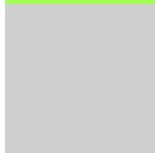
78.0908, 0.3018, 0.3899

Monochromacy



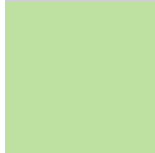
Original Color

79.5877, 0.3410, 0.5245



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.8317, 0.3294, 0.4053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5877, 0.3410, 0.5245 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(160, 255, 81)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 81)  
}
```

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(160, 255, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 81) }
```

Border

The CSS property to change the border of an element to Yxy 79.5877, 0.3410, 0.5245 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(160, 255, 81) }
```

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

```
.border{ border-color:rgb(160, 255, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 81);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5877, 0.3410, 0.5245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 81) }
```

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

```
.background{ background-color: rgb(160,  
255, 81) }
```

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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