

Converting Colors

$Yxy(80.2650, 0.3379, 0.5098)$

Have a look what the booklet for
Yxy(80.2650, 0.3379, 0.5098)
contains.

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Color

Yxy(80.2756, 0.3379, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF61
RGB	164, 255, 97
RGB Percent	64%, 100%, 38%
CMY	0.3571, 0.0000, 0.6195
CMYK	0.36, 0.00, 0.62, 0.00
HSL	95°, 100%, 69%
HSV	95°, 62%, 100%
XYZ	53.2178, 80.2756, 24.0024
YIQ	209.7790, -3.5180, -68.4300

Conversions

Conversions Part 2

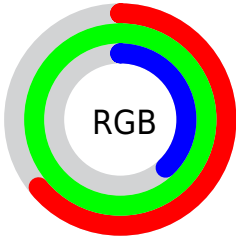
Format	Color
RYB	97, 255, 188
Decimal	10813281
CIELab	91.81, -52.58, 65.06
CIELCh	92, 83.653, 128.947
Yxy	80.2756, 0.3379, 0.5097
Android (android.graphics.Color)	4289003361 (0xFFA4FF61)
YUV	209.7790, -55.6000, -40.1482
Hunter-Lab	89.5967, -50.7703, 46.8343

Details

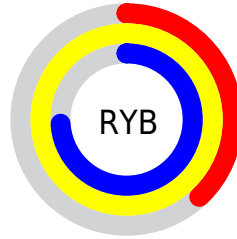
The Yxy color **80.2756, 0.3379, 0.5097** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **26.4748, 0.2580, 0.1585**, and the grayscale version is **64.6567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5079, 0.3508, 0.4365**, and **43.5859, 0.3358, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **78.3932, 0.3373, 0.5358**, and if you desaturate by 10%, it is **82.4780, 0.3366, 0.4802**.

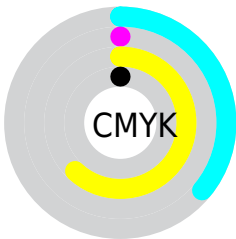
Distribution



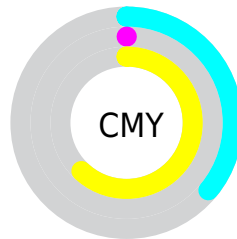
- Red (64%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2756, 0.3379, 0.5097 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 80.2756, 0.3379, 0.5097 by changing the saturation by 10% instead.

 80.2756, 0.3379,
0.5097

 80.2756, 0.3379,
0.5097


495.8611, 0.3324,
0.4233


 59.9452, 0.3373,
0.5292

 133.7531, 0.3375,
0.4797

 43.3744, 0.3355,
0.5529


 167.6690, 0.3368,
0.4680

 30.1790, 0.3316,
0.5819


 206.8822, 0.3361,
0.4579

 19.9745, 0.3238,
0.6176

 251.7771, 0.3354,
0.4492

 12.3765, 0.3099,
0.6638

302.7380, 0.3346,
0.4415

 7.0006, 0.2820,
0.7180

360.1494, 0.3339,

 3.4625, 0.2280,

0.4347

0.7720

424.3956, 0.3331,
0.4287

■ 1.3777, 0.0000,
1.0000

■ 0.2002, 0.0000,
1.0000

■ 80.2756, 0.3379,
0.5097

■ 80.2756, 0.3379,
0.5097

■ 78.3932, 0.3373,
0.5358

■ 82.4780, 0.3366,
0.4802

■ 76.8298, 0.3346,
0.5568


■ 85.0398, 0.3337,
0.4492

■ 75.5537, 0.3301,
0.5718

■ 87.9716, 0.3296,
0.4180

■ 74.7087, 0.3255,
0.5798

■ 91.2895, 0.3247,
0.3879

 95.0084, 0.3193,
0.3597

 99.1427, 0.3138,
0.3338

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.



80.2756, 0.4238, 0.4856



80.2756, 0.3379, 0.5097



80.2756, 0.2501, 0.4568

Triad

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



80.2756, 0.3379, 0.5097



80.2756, 0.1589, 0.2043



80.2756, 0.4529, 0.2916

Complementary

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



80.2756, 0.3379, 0.5097



26.4748, 0.2580, 0.1585

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.



80.2756, 0.3588, 0.2369



80.2756, 0.3379, 0.5097



80.2756, 0.1943, 0.1882

Square

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



80.2756, 0.3379, 0.5097



80.2756, 0.1549, 0.2562



80.2756, 0.2627, 0.2004



80.2756, 0.5012, 0.3559

Rectangle

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



80.2756, 0.3379, 0.5097



80.2756, 0.2027, 0.3867



80.2756, 0.2627, 0.2004



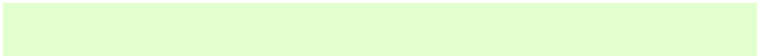
80.2756, 0.4246, 0.2719

Sweetspot

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



80.2688, 0.3379, 0.5097



92.3456, 0.3232, 0.3793



57.4697, 0.4434, 0.4173



19.5467, 0.3247, 0.3876



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.



80.2688, 0.3379, 0.5097



78.0487, 0.3369, 0.5405



75.1355, 0.2996, 0.5189



20.5441, 0.3180, 0.3531



39.1204, 0.3267, 0.5788



3.8717, 0.3355, 0.5718

Inverse Universe

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



26.4748, 0.2580, 0.1585



20.2741, 0.2441, 0.1312



36.3728, 0.3293, 0.1935



17.8948, 0.3070, 0.3051



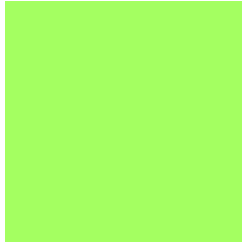
7.1032, 0.2178, 0.0974



0.7560, 0.2291, 0.1036

Previews

White Background



This preview shows how the Yxy color 80.2756, 0.3379, 0.5097 looks on a white background.

Color Contrast Check

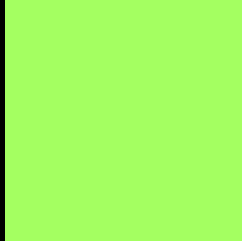
Large Text (above 18pt) WCAG AA × Fail

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 80.2756, 0.3379, 0.5097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

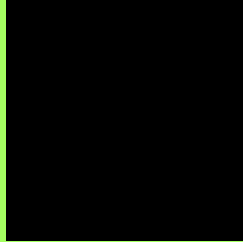
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

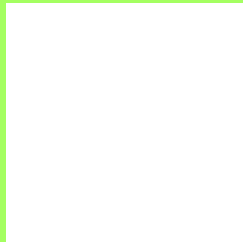
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2756, 0.3379, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 80.2756, 0.3379, 0.5097.

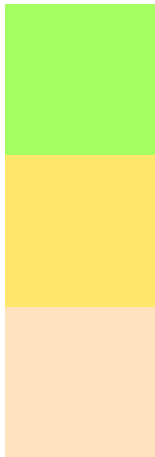


This preview shows how white text looks on a background with the Yxy color 80.2756, 0.3379, 0.5097.

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

80.2756, 0.3379, 0.5097

Protanopia

79.4945, 0.4081, 0.4473

Deuteranopia

79.3704, 0.3581, 0.3657



Tritanopia

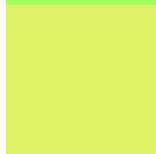
79.8384, 0.2758, 0.3107

Trichromacy



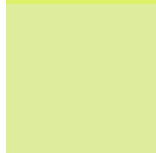
Original Color

80.2756, 0.3379, 0.5097



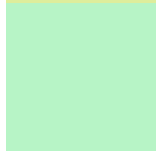
Protanomaly

78.8492, 0.3806, 0.4705



Deuteranomaly

78.4983, 0.3532, 0.4175



Tritanomaly

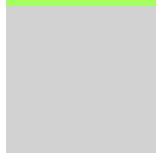
78.8459, 0.3009, 0.3822

Monochromacy



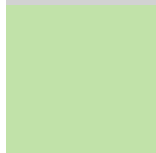
Original Color

80.2756, 0.3379, 0.5097



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5947, 0.3262, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2756, 0.3379, 0.5097 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 97) }
```

Border

The CSS property to change the border of an element to Yxy 80.2756, 0.3379, 0.5097 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, 97) }
```

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

```
.border{ border-color:rgb(164, 255, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2756, 0.3379, 0.5097 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, 97) }
```

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

```
.background{ background-color: rgb(164,  
255, 97) }
```

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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