

Converting Colors

$Y_{xy}(153.6652, 0.3134, 0.5319)$

Have a look what the booklet for
Yxy(153.6652, 0.3134, 0.5319)
contains.

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Color

Yxy(80.3973, 0.3230, 0.4825)

Conversions

Conversions Part 1

Format	Color
Hex	9FFF7E
RGB	159, 255, 126
RGB Percent	62%, 100%, 49%
CMY	0.3765, 0.0000, 0.5060
CMYK	0.38, 0.00, 0.51, 0.00
HSL	105°, 100%, 75%
HSV	105°, 51%, 100%
XYZ	53.8204, 80.3973, 32.4089
YIQ	211.5900, -15.8070, -60.4710

Conversions

Conversions Part 2

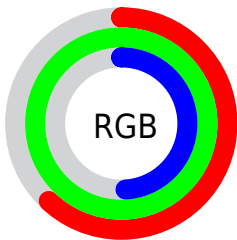
Format	Color
RYB	126, 255, 222
Decimal	10485630
CIELab	91.86, -51.27, 52.43
CIELCh	92, 73.335, 134.357
Yxy	80.3973, 0.3230, 0.4825
Android (android.graphics.Color)	4288675710 (0xFF9FFF7E)
YUV	211.5900, -42.1959, -46.1214
Hunter-Lab	89.6645, -49.7699, 41.3351

Details

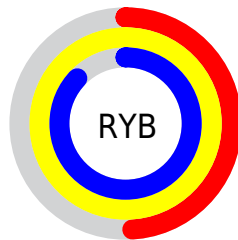
The Yxy color **80.3973, 0.3230, 0.4825** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **37.6608, 0.2894, 0.1959**, and the grayscale version is **65.8396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6079, 0.3313, 0.4082**, and **43.6359, 0.3197, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **78.0258, 0.3226, 0.5147**, and if you desaturate by 10%, it is **83.2302, 0.3223, 0.4490**.

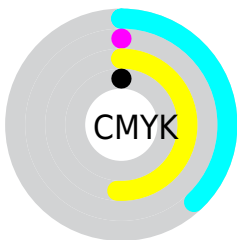
Distribution



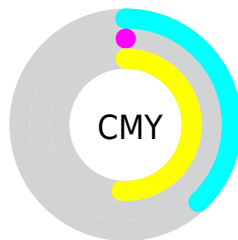
- Red (62%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3973, 0.3230, 0.4825 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 80.3973, 0.3230, 0.4825 by changing the saturation by 10% instead.


 80.3973, 0.3230,
0.4825


 80.3973, 0.3230,
0.4825


496.2708, 0.3222,
0.4083


 60.0453, 0.3220,
0.4998

 133.9242, 0.3236,
0.4564

 43.4552, 0.3202,
0.5212


 167.8679, 0.3236,
0.4463

 30.2424, 0.3168,
0.5481


 207.1110, 0.3235,
0.4377

 20.0227, 0.3107,
0.5827

252.0378, 0.3233,
0.4302

 12.4115, 0.2992,
0.6278

303.0328, 0.3230,
0.4237

 7.0246, 0.2824,
0.7002


360.4804, 0.3228,


 3.4775, 0.2347,


0.4180


0.7653


424.7649, 0.3225,
0.4129


 1.3858, 0.0000,
1.0000


 0.2062, 0.0000,
1.0000


 80.3973, 0.3230,
0.4825

 80.3973, 0.3230,
0.4825


 78.0258, 0.3226,
0.5147


 83.2302, 0.3223,
0.4490


 76.0953, 0.3209,
0.5436

 86.5550, 0.3206,
0.4161

 74.5742, 0.3179,
0.5670

 90.3921, 0.3184,
0.3849

 73.4289, 0.3138,
0.5833

 94.7626, 0.3157,
0.3563

■ 72.6525, 0.3095,
0.5924

99.6865, 0.3129,
0.3305

100.0000, 0.3127,
0.3290

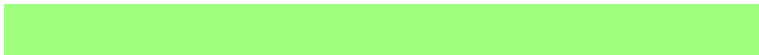
Harmonies

Analogous

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



80.3973, 0.4015, 0.4761



80.3973, 0.3230, 0.4825



80.3973, 0.2460, 0.4243

Triad

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



80.3973, 0.3230, 0.4825



80.3973, 0.1777, 0.2130



80.3973, 0.4472, 0.3071

Complementary

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



80.3973, 0.3230, 0.4825



37.6608, 0.2894, 0.1959

Split Complementary

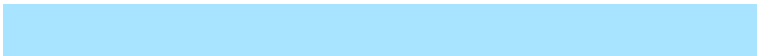
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3973, 0.3699, 0.2546



80.3973, 0.3230, 0.4825



80.3973, 0.2158, 0.2024

Square

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



80.3973, 0.3230, 0.4825



80.3973, 0.1692, 0.2548



80.3973, 0.2831, 0.2176



80.3973, 0.4809, 0.3672

Rectangle

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



80.3973, 0.3230, 0.4825



80.3973, 0.2062, 0.3625



80.3973, 0.2831, 0.2176



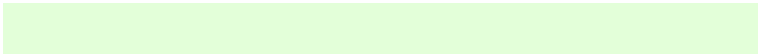
80.3973, 0.4249, 0.2884

Sweetspot

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



80.3953, 0.3230, 0.4825



92.7726, 0.3169, 0.3685



74.2633, 0.4035, 0.4235



19.6611, 0.3175, 0.3746



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

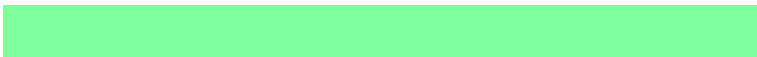
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3953, 0.3230, 0.4825



77.9404, 0.3226, 0.5160



78.3562, 0.2917, 0.4538



20.3927, 0.3154, 0.3533



38.0222, 0.3104, 0.5917



3.7516, 0.3182, 0.5856

Inverse Universe

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



37.6608, 0.2894, 0.1959



30.7059, 0.2826, 0.1713



41.6044, 0.3464, 0.2314



18.0527, 0.3097, 0.3053



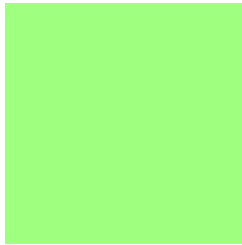
9.5509, 0.2568, 0.1188



0.9821, 0.2644, 0.1230

Previews

White Background



This preview shows how the Yxy color 80.3973, 0.3230, 0.4825 looks on a white background.

Color Contrast Check

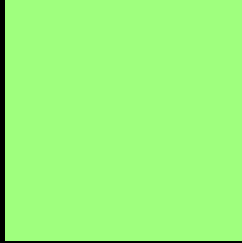
Large Text (above 18pt) WCAG AA × Fail

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 80.3973, 0.3230, 0.4825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

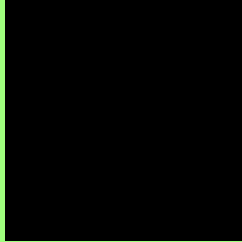
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

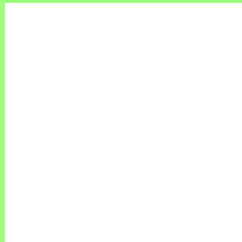
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3973, 0.3230, 0.4825

Background



This preview shows how black text looks on a background with the Yxy color 80.3973, 0.3230, 0.4825.

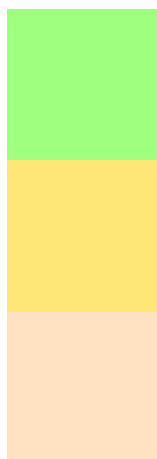


This preview shows how white text looks on a background with the Yxy color 80.3973, 0.3230, 0.4825.

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

80.3973, 0.3230, 0.4825

Protanopia

79.5307, 0.4020, 0.4396

Deuteranopia

79.5030, 0.3560, 0.3626



Tritanopia

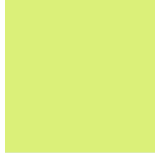
80.0294, 0.2742, 0.3117

Trichromacy



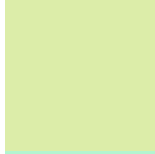
Original Color

80.3973, 0.3230, 0.4825



Protanomaly

78.7607, 0.3700, 0.4565



Deuteranomaly

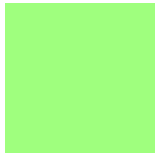
78.6486, 0.3437, 0.4037



Tritanomaly

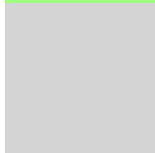
79.4426, 0.2930, 0.3716

Monochromacy



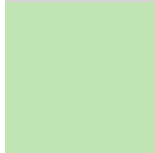
Original Color

80.3973, 0.3230, 0.4825



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1605, 0.3183, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3973, 0.3230, 0.4825 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(159, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 126)  
}
```

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(159, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 80.3973, 0.3230, 0.4825 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(159, 255, 126) }
```

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

```
.border{ border-color:rgb(159, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3973, 0.3230, 0.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 126) }
```

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

```
.background{ background-color: rgb(159,  
255, 126) }
```

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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