

Converting Colors

$Yxy(77.5101, 0.3004, 0.4264)$

Have a look what the booklet for
Yxy(77.5101, 0.3004, 0.4264)
contains.

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Color

Yxy(77.6839, 0.3007, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	9CF9A9
RGB	156, 249, 169
RGB Percent	61%, 98%, 66%
CMY	0.3882, 0.0235, 0.3374
CMYK	0.37, 0.00, 0.32, 0.02
HSL	128°, 89%, 79%
HSV	128°, 37%, 98%
XYZ	54.7447, 77.6839, 49.6289
YIQ	212.0730, -29.7480, -44.5960

Conversions

Conversions Part 2

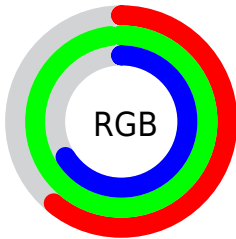
Format	Color
RYB	156, 238, 249
Decimal	10287529
CIELab	90.64, -43.62, 29.94
CIElCh	91, 52.909, 145.541
Yxy	77.6839, 0.3007, 0.4267
Android (android.graphics.Color)	4288477609 (0xFF9CF9A9)
YUV	212.0730, -21.2350, -49.1760
Hunter-Lab	88.1385, -43.3722, 28.3120

Details

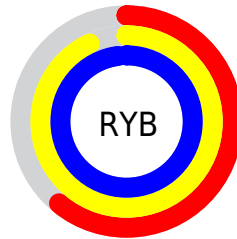
The Yxy color **77.6839, 0.3007, 0.4267** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.9762, 0.3279, 0.2479**, and the grayscale version is **66.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1024, 0.3039, 0.3606**, and **41.6696, 0.2961, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **74.7127, 0.2980, 0.4585**, and if you desaturate by 10%, it is **81.3027, 0.3038, 0.3968**.

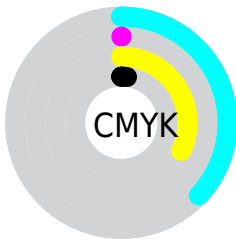
Distribution



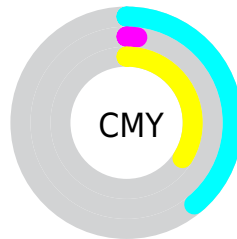
- Red (61%)
- Green (98%)
- Blue (66%)



- Red (61%)
- Yellow (93%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





- Cyan (39%)
- Magenta (2%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6839, 0.3007, 0.4267 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 77.6839, 0.3007, 0.4267 by changing the saturation by 10% instead.


 77.6839, 0.3007,
0.4267


 77.6839, 0.3007,
0.4267


487.0926, 0.3077,
0.3793

 57.8143, 0.2987,
0.4380


 130.1044, 0.3034,
0.4099

 41.6594, 0.2961,
0.4522


 163.4242, 0.3044,
0.4034

 28.8347, 0.2924,
0.4705


201.9961, 0.3052,
0.3979

 18.9558, 0.2870,
0.4950

246.2047, 0.3059,
0.3932

 11.6384, 0.2787,
0.5292

296.4342, 0.3064,
0.3891

 6.4979, 0.2644,
0.5795


353.0691, 0.3069,


 3.1501, 0.2426,

0.3854


0.6732


416.4938, 0.3073,
0.3822

 1.2106, 0.0428,
0.9572


 0.0703, 0.0000,
1.0000


 77.6839, 0.3007,
0.4267


 77.6839, 0.3007,
0.4267


 74.7127, 0.2980,
0.4585


 81.3027, 0.3038,
0.3968


 72.3414, 0.2959,
0.4908

 85.5939, 0.3071,
0.3695

 70.5318, 0.2947,
0.5219

 90.5929, 0.3103,
0.3451

 69.2366, 0.2945,
0.5496

 96.2155, 0.3132,
0.3236

■ 68.4008, 0.2953,
0.5719

■ 96.2359, 0.3130,
0.3233

■ 67.9544, 0.2970,
0.5876

■ 67.8756, 0.2974,
0.5906

Harmonies

Analogous

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



77.6839, 0.3614, 0.4429



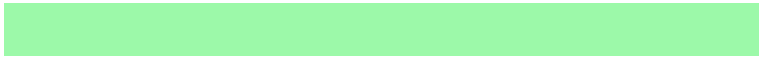
77.6839, 0.3007, 0.4267



77.6839, 0.2463, 0.3736

Triad

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



77.6839, 0.3007, 0.4267



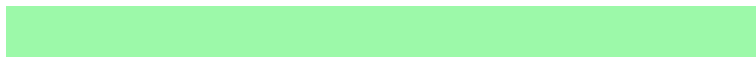
77.6839, 0.2179, 0.2355



77.6839, 0.4247, 0.3322

Complementary

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



77.6839, 0.3007, 0.4267



49.9762, 0.3279, 0.2479

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.



77.6839, 0.3783, 0.2873



77.6839, 0.3007, 0.4267



77.6839, 0.2571, 0.2339

Square

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



77.6839, 0.3007, 0.4267



77.6839, 0.2023, 0.2605



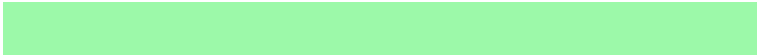
77.6839, 0.3151, 0.2525



77.6839, 0.4364, 0.3800

Rectangle

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



77.6839, 0.3007, 0.4267



77.6839, 0.2206, 0.3302



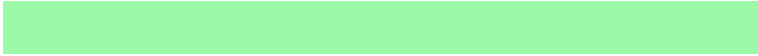
77.6839, 0.3151, 0.2525



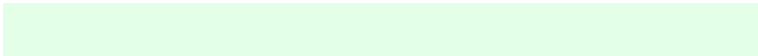
77.6839, 0.4125, 0.3166

Sweetspot

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



77.6872, 0.3007, 0.4267



93.6045, 0.3091, 0.3536



88.0930, 0.3602, 0.4250



19.8805, 0.3087, 0.3569



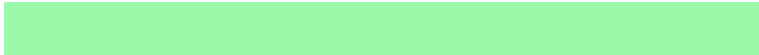
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.6872, 0.3007, 0.4267



79.5260, 0.2986, 0.4511



79.7251, 0.2770, 0.3691



19.3486, 0.3096, 0.3500



36.3422, 0.2969, 0.5889



3.3776, 0.2921, 0.5715

Inverse Universe

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



49.9762, 0.3279, 0.2479



46.3212, 0.3317, 0.2320



47.6400, 0.3704, 0.2928



17.4805, 0.3159, 0.3088



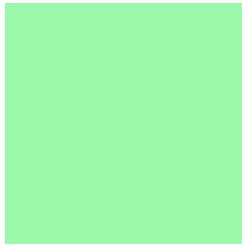
13.4029, 0.3597, 0.1755



1.2524, 0.3543, 0.1726

Previews

White Background



This preview shows how the Yxy color 77.6839, 0.3007, 0.4267 looks on a white background.

Color Contrast Check

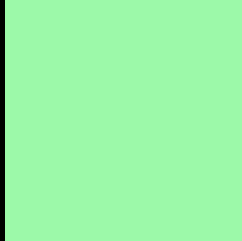
Large Text (above 18pt) WCAG AA × Fail

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 77.6839, 0.3007, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

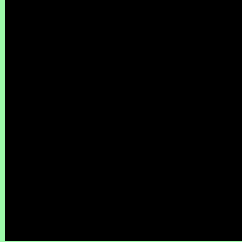
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.6839, 0.3007, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 77.6839, 0.3007, 0.4267.

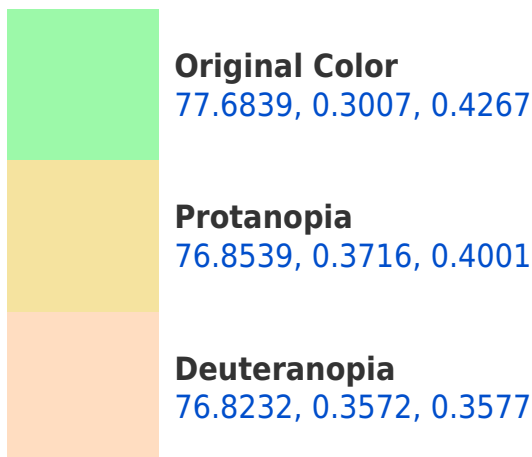


This preview shows how white text looks on a background with the Yxy color 77.6839, 0.3007, 0.4267.

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





Tritanopia

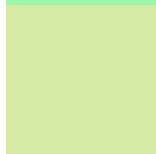
77.2534, 0.2668, 0.3091

Trichromacy



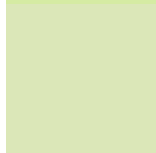
Original Color

77.6839, 0.3007, 0.4267



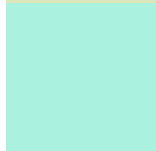
Protanomaly

76.2071, 0.3429, 0.4098



Deuteranomaly

75.6726, 0.3346, 0.3811



Tritanomaly

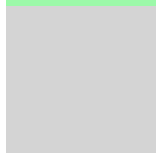
76.8385, 0.2789, 0.3486

Monochromacy



Original Color

77.6839, 0.3007, 0.4267



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.0424, 0.3084, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6839, 0.3007, 0.4267 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(156, 249, 169)` looks like.

```
.text, #text, p{  
    color:rgb(156, 249, 169)  
}
```

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(156, 249, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 249, 169) }
```

Border

The CSS property to change the border of an element to Yxy 77.6839, 0.3007, 0.4267 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(156, 249, 169) }
```

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

```
.border{ border-color:rgb(156, 249, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 249, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 249, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 249, 169);  
box-shadow:4px 4px 4px 4px rgb(156, 249,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6839, 0.3007, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 249, 169) }
```

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

```
.background{ background-color: rgb(156,  
249, 169) }
```

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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