

Converting Colors

$Y_{xy}(126.1673, 0.2972, 0.4742)$

Have a look what the booklet for
Yxy(126.1673, 0.2972, 0.4742)
contains.

Yxy(81.3874, 0.2960, 0.4254)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.3874, 0.2960, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	99FFAF
RGB	153, 255, 175
RGB Percent	60%, 100%, 69%
CMY	0.4002, 0.0000, 0.3136
CMYK	0.40, 0.00, 0.31, 0.00
HSL	133°, 100%, 80%
HSV	133°, 40%, 100%
XYZ	56.6306, 81.3874, 53.3017
YIQ	215.3820, -35.1120, -46.5040

Conversions

Conversions Part 2

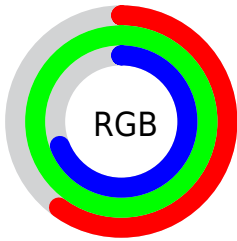
Format	Color
RYB	153, 237, 255
Decimal	10092463
CIELab	92.30, -46.09, 29.11
CIELCh	92, 54.513, 147.729
Yxy	81.3874, 0.2960, 0.4254
Android (android.graphics.Color)	4288282543 (0xFF99FFAF)
YUV	215.3820, -19.9083, -54.7090
Hunter-Lab	90.2150, -45.8264, 28.1202

Details

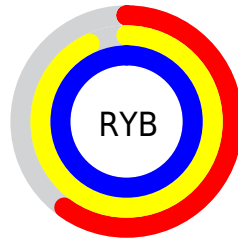
The Yxy color **81.3874, 0.2960, 0.4254** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.9045, 0.3360, 0.2491**, and the grayscale version is **68.3750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1384, 0.2994, 0.3542**, and **44.2801, 0.2903, 0.4506** is the 20% darker color. If you saturate the color by 10%, you get **78.4353, 0.2928, 0.4548**, and if you desaturate by 10%, it is **84.9795, 0.2998, 0.3976**.

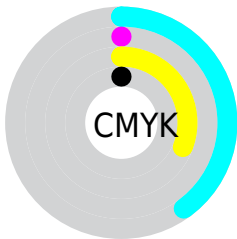
Distribution



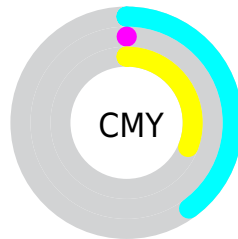
- Red (60%)
- Green (100%)
- Blue (69%)



- Red (60%)
- Yellow (93%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3874, 0.2960, 0.4254 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 81.3874, 0.2960, 0.4254 by changing the saturation by 10% instead.


 81.3874, 0.2960,
0.4254

 81.3874, 0.2960,
0.4254


499.5963, 0.3050,
0.3790

 60.8607, 0.2936,
0.4364


 135.3146, 0.2994,
0.4090

 44.1128, 0.2905,
0.4502

 169.4839, 0.3006,
0.4027

 30.7592, 0.2863,
0.4679


208.9695, 0.3017,
0.3973

 20.4155, 0.2803,
0.4914

254.1558, 0.3026,
0.3926

 12.6975, 0.2713,
0.5241

305.4273, 0.3033,
0.3886

 7.2205, 0.2566,
0.5720


363.1682, 0.3040,


 3.6004, 0.2315,


0.3850


0.6504


427.7631, 0.3045,
0.3818


 1.4526, 0.1045,
0.8955


 0.2550, 0.0000,
1.0000

 81.3874, 0.2960,
0.4254


 81.3874, 0.2960,
0.4254


 78.4353, 0.2928,
0.4548


 84.9795, 0.2998,
0.3976

 76.0935, 0.2906,
0.4849

 89.2568, 0.3040,
0.3721

 74.3151, 0.2896,
0.5140

 94.2494, 0.3084,
0.3493

 73.0509, 0.2900,
0.5406

99.9883, 0.3127,
0.3290

■ 72.2424, 0.2918,
0.5629

100.0000, 0.3127,
0.3290

■ 71.7977, 0.2944,
0.5798

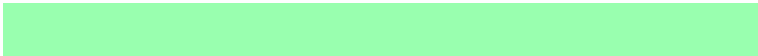
Harmonies

Analogous

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



81.3874, 0.3576, 0.4449



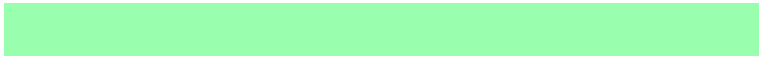
81.3874, 0.2960, 0.4254



81.3874, 0.2420, 0.3695

Triad

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



81.3874, 0.2960, 0.4254



81.3874, 0.2188, 0.2334



81.3874, 0.4285, 0.3356

Complementary

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



81.3874, 0.2960, 0.4254



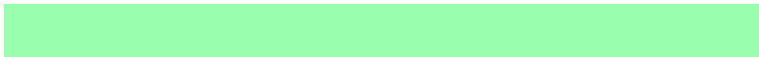
49.9045, 0.3360, 0.2491

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.



81.3874, 0.3836, 0.2898



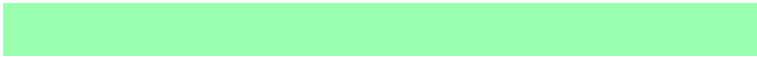
81.3874, 0.2960, 0.4254



81.3874, 0.2600, 0.2334

Square

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



81.3874, 0.2960, 0.4254



81.3874, 0.2012, 0.2568



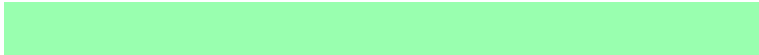
81.3874, 0.3198, 0.2537



81.3874, 0.4375, 0.3839

Rectangle

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



81.3874, 0.2960, 0.4254



81.3874, 0.2171, 0.3254



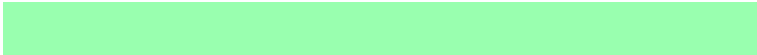
81.3874, 0.3198, 0.2537



81.3874, 0.4170, 0.3197

Sweetspot

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



81.3843, 0.2960, 0.4254



93.2021, 0.3075, 0.3536



91.4108, 0.3588, 0.4336



19.8047, 0.3069, 0.3565



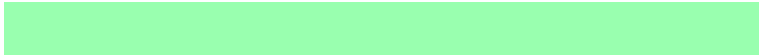
0.0000, 0.0000, 0.0000



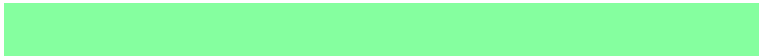
21.4041, 0.3127, 0.3290

Same Dimension

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



81.3843, 0.2960, 0.4254



78.9805, 0.2934, 0.4488



83.6903, 0.2716, 0.3643



20.2325, 0.3086, 0.3482



37.5336, 0.2937, 0.5774



3.6698, 0.2882, 0.5574

Inverse Universe

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



49.9045, 0.3360, 0.2491



43.5553, 0.3421, 0.2341



47.4690, 0.3833, 0.2972



18.2291, 0.3171, 0.3106



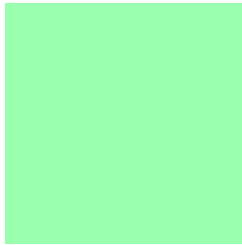
13.3061, 0.3848, 0.1893



1.3115, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 81.3874, 0.2960, 0.4254 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 81.3874, 0.2960, 0.4254 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 81.3874, 0.2960, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 81.3874, 0.2960, 0.4254.

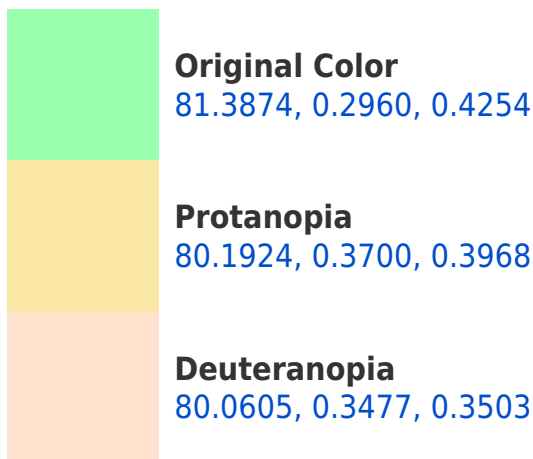


This preview shows how white text looks on a background with the Yxy color 81.3874, 0.2960, 0.4254.

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

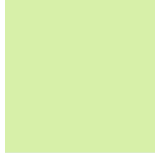
81.2070, 0.2744, 0.3139

Trichromacy



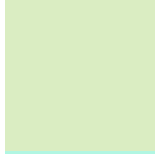
Original Color

81.3874, 0.2960, 0.4254



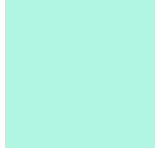
Protanomaly

79.6318, 0.3396, 0.4076



Deuteranomaly

79.3688, 0.3267, 0.3761



Tritanomaly

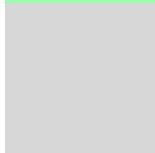
80.7496, 0.2822, 0.3516

Monochromacy



Original Color

81.3874, 0.2960, 0.4254



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9702, 0.3057, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3874, 0.2960, 0.4254 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(153, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 175)  
}
```

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(153, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 81.3874, 0.2960, 0.4254 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(153, 255, 175) }
```

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

```
.border{ border-color:rgb(153, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3874, 0.2960, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 175) }
```

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

```
.background{ background-color: rgb(153,  
255, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor