

Converting Colors

$Yxy(80.8617, 0.3031, 0.4430)$

Have a look what the booklet for
Yxy(80.8617, 0.3031, 0.4430)
contains.

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Color

Yxy(80.8655, 0.3030, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	99FFA1
RGB	153, 255, 161
RGB Percent	60%, 100%, 63%
CMY	0.3999, 0.0000, 0.3685
CMYK	0.40, 0.00, 0.37, 0.00
HSL	125°, 100%, 80%
HSV	125°, 40%, 100%
XYZ	55.3348, 80.8655, 46.4228
YIQ	213.7860, -30.6180, -50.8580

Conversions

Conversions Part 2

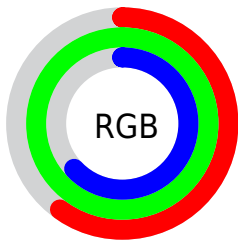
Format	Color
RYB	153, 248, 255
Decimal	10092449
CIELab	92.07, -48.33, 35.80
CIELCh	92, 60.143, 143.468
Yxy	80.8655, 0.3030, 0.4428
Android (android.graphics.Color)	4288282529 (0xFF99FFA1)
YUV	213.7860, -26.0235, -53.3093
Hunter-Lab	89.9252, -47.5306, 32.3399

Details

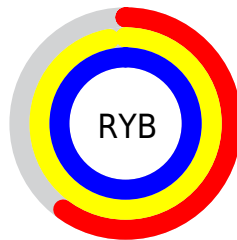
The Yxy color **80.8655, 0.3030, 0.4428** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.7649, 0.3239, 0.2369**, and the grayscale version is **67.2939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3786, 0.3072, 0.3694**, and **43.9577, 0.2985, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **77.8937, 0.3009, 0.4769**, and if you desaturate by 10%, it is **84.5298, 0.3054, 0.4101**.

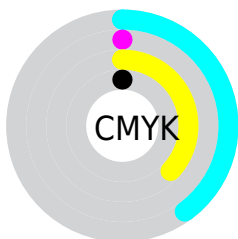
Distribution



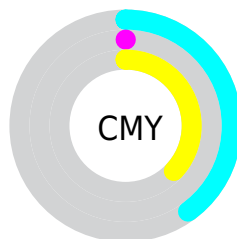
- Red (60%)
- Green (100%)
- Blue (63%)



- Red (60%)
- Yellow (97%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8655, 0.3030, 0.4428 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 80.8655, 0.3030, 0.4428 by changing the saturation by 10% instead.


 80.8655, 0.3030,
0.4428

 80.8655, 0.3030,
0.4428


497.8449, 0.3094,
0.3877

 60.4308, 0.3010,
0.4559


 134.5819, 0.3056,
0.4233

 43.7660, 0.2983,
0.4722


 168.6324, 0.3065,
0.4158

 30.4866, 0.2944,
0.4932


207.9903, 0.3073,
0.4094

 20.2082, 0.2886,
0.5210

253.0401, 0.3079,
0.4039

 12.5465, 0.2793,
0.5593

304.1660, 0.3084,
0.3991

 7.1170, 0.2632,
0.6142


361.7525, 0.3088,


 3.5354, 0.2422,


0.3948


0.7255

426.1840, 0.3091,
0.3911


 1.4172, 0.0600,
0.9400


 0.2294, 0.0000,
1.0000


 80.8655, 0.3030,
0.4428


 80.8655, 0.3030,
0.4428


 77.8937, 0.3009,
0.4769


 84.5298, 0.3054,
0.4101

 75.5618, 0.2991,
0.5105

 88.9159, 0.3079,
0.3799

 73.8253, 0.2981,
0.5413

 94.0633, 0.3104,
0.3528

 72.6301, 0.2978,
0.5670

100.0000, 0.3127,
0.3290

■ 71.9118, 0.2982,
0.5855

■ 71.5708, 0.2989,
0.5962

■ 71.5706, 0.2989,
0.5962

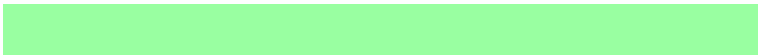
Harmonies

Analogous

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



80.8655, 0.3703, 0.4564



80.8655, 0.3030, 0.4428



80.8655, 0.2419, 0.3842

Triad

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



80.8655, 0.3030, 0.4428



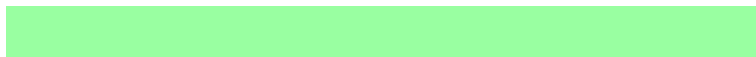
80.8655, 0.2058, 0.2264



80.8655, 0.4359, 0.3278

Complementary

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



80.8655, 0.3030, 0.4428



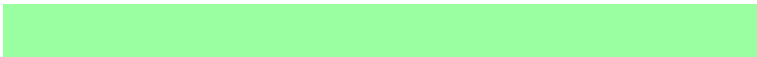
50.7649, 0.3239, 0.2369

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.



80.8655, 0.3815, 0.2795



80.8655, 0.3030, 0.4428



80.8655, 0.2469, 0.2234

Square

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



80.8655, 0.3030, 0.4428



80.8655, 0.1906, 0.2549



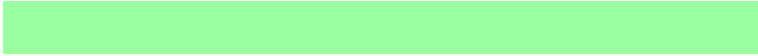
80.8655, 0.3100, 0.2426



80.8655, 0.4514, 0.3803

Rectangle

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



80.8655, 0.3030, 0.4428



80.8655, 0.2126, 0.3346



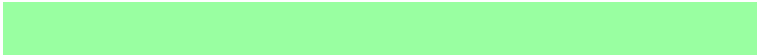
80.8655, 0.3100, 0.2426



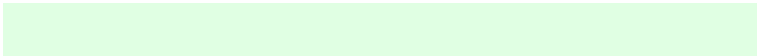
80.8655, 0.4214, 0.3109

Sweetspot

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



80.8688, 0.3030, 0.4428



92.9664, 0.3099, 0.3580



93.8140, 0.3681, 0.4301



19.7496, 0.3096, 0.3615



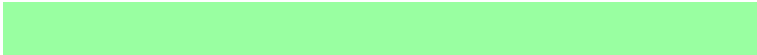
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

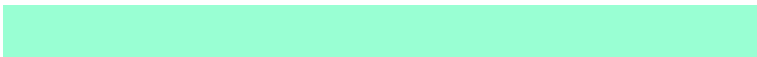
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8688, 0.3030, 0.4428



78.4334, 0.3012, 0.4700



82.9881, 0.2782, 0.3808



20.1913, 0.3105, 0.3516



37.4053, 0.2986, 0.5951



3.6496, 0.2956, 0.5842

Inverse Universe

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



50.7649, 0.3239, 0.2369



44.5421, 0.3265, 0.2200



48.0909, 0.3696, 0.2833



18.2743, 0.3150, 0.3074



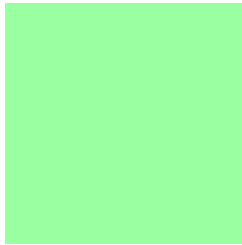
14.2527, 0.3417, 0.1656



1.3947, 0.3391, 0.1642

Previews

White Background



This preview shows how the Yxy color 80.8655, 0.3030, 0.4428 looks on a white background.

Color Contrast Check

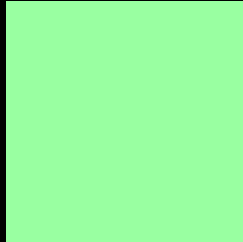
Large Text (above 18pt) WCAG AA × Fail

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 80.8655, 0.3030, 0.4428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

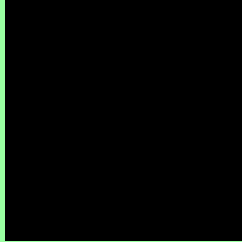
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8655, 0.3030, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 80.8655, 0.3030, 0.4428.

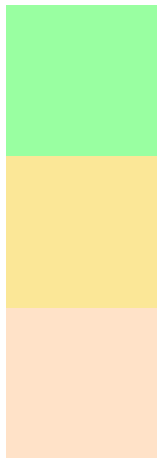


This preview shows how white text looks on a background with the Yxy color 80.8655, 0.3030, 0.4428.

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

80.8655, 0.3030, 0.4428

Protanopia

79.8954, 0.3799, 0.4105

Deuteranopia

79.8228, 0.3512, 0.3554



Tritanopia

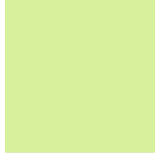
80.3590, 0.2732, 0.3127

Trichromacy



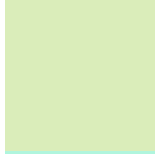
Original Color

80.8655, 0.3030, 0.4428



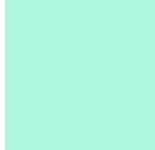
Protanomaly

79.1338, 0.3480, 0.4230



Deuteranomaly

79.0190, 0.3317, 0.3851



Tritanomaly

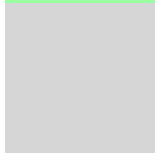
79.7554, 0.2842, 0.3564

Monochromacy



Original Color

80.8655, 0.3030, 0.4428



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.1852, 0.3088, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8655, 0.3030, 0.4428 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 80.8655, 0.3030, 0.4428 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, 161) }
```

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

```
.border{ border-color:rgb(153, 255, 161) }
```

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, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8655, 0.3030, 0.4428 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, 161) }
```

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

```
.background{ background-color: rgb(153,  
255, 161) }
```

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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