

Converting Colors

Yxy(81.7934, 0.3083, 0.4414)

Have a look what the booklet for
Yxy(81.7934, 0.3083, 0.4414)
contains.

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Color

Yxy(81.7746, 0.3080, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	A2FFA1
RGB	162, 255, 161
RGB Percent	64%, 100%, 63%
CMY	0.3648, 0.0000, 0.3687
CMYK	0.36, 0.00, 0.37, 0.00
HSL	119°, 100%, 82%
HSV	119°, 37%, 100%
XYZ	57.0865, 81.7746, 46.4847
YIQ	216.4770, -25.2540, -48.9500

Conversions

Conversions Part 2

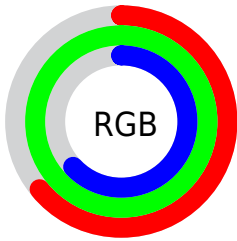
Format	Color
RYB	161, 255, 254
Decimal	10682273
CIELab	92.48, -45.71, 36.43
CIElCh	92, 58.448, 141.443
Yxy	81.7746, 0.3080, 0.4412
Android (android.graphics.Color)	4288872353 (0xFFA2FFA1)
YUV	216.4770, -27.3502, -47.7763
Hunter-Lab	90.4293, -45.5672, 32.8228

Details

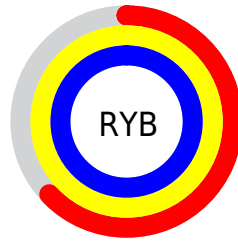
The Yxy color **81.7746, 0.3080, 0.4412** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.7784, 0.3162, 0.2373**, and the grayscale version is **69.2054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7454, 0.3127, 0.3688**, and **44.5350, 0.3048, 0.4706** is the 20% darker color. If you saturate the color by 10%, you get **78.5786, 0.3064, 0.4773**, and if you desaturate by 10%, it is **85.6757, 0.3095, 0.4066**.

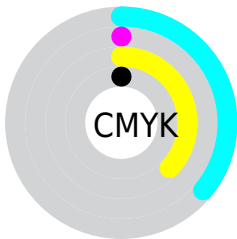
Distribution



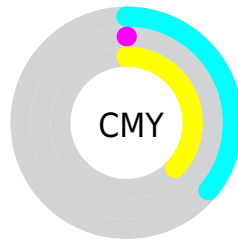
- Red (64%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7746, 0.3080, 0.4412 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 81.7746, 0.3080, 0.4412 by changing the saturation by 10% instead.


 81.7746, 0.3080,
0.4412


 81.7746, 0.3080,
0.4412


500.8934, 0.3121,
0.3872

 61.1798, 0.3066,
0.4540


 135.8579, 0.3098,
0.4221

 44.3703, 0.3045,
0.4699


 170.1151, 0.3104,
0.4148

 30.9617, 0.3015,
0.4903


209.6952, 0.3109,
0.4085

 20.5697, 0.2967,
0.5171

254.9827, 0.3112,
0.4031

 12.8098, 0.2889,
0.5540

306.3618, 0.3115,
0.3983

 7.2977, 0.2749,
0.6065


364.2171, 0.3118,


 3.6490, 0.2570,

0.3942

0.7114

428.9328, 0.3119,
0.3905

 1.4792, 0.1175,
0.8825


 0.2740, 0.0000,
1.0000


 81.7746, 0.3080,
0.4412


 81.7746, 0.3080,
0.4412


 78.5786, 0.3064,
0.4773


 85.6757, 0.3095,
0.4066

 76.0573, 0.3047,
0.5129

 90.3341, 0.3108,
0.3748

 74.1587, 0.3032,
0.5452

 95.7822, 0.3120,
0.3464

 72.8286, 0.3018,
0.5713

100.0000, 0.3127,
0.3290

■ 72.0039, 0.3008,
0.5892

■ 71.6057, 0.3002,
0.5982

■ 71.5372, 0.3001,
0.5999

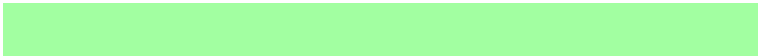
Harmonies

Analogous

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



81.7746, 0.3730, 0.4516



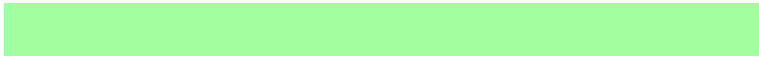
81.7746, 0.3080, 0.4412



81.7746, 0.2476, 0.3870

Triad

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



81.7746, 0.3080, 0.4412



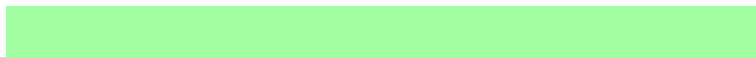
81.7746, 0.2070, 0.2304



81.7746, 0.4295, 0.3248

Complementary

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



81.7746, 0.3080, 0.4412



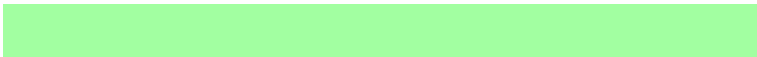
53.7784, 0.3162, 0.2373

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.



81.7746, 0.3749, 0.2781



81.7746, 0.3080, 0.4412



81.7746, 0.2454, 0.2258

Square

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



81.7746, 0.3080, 0.4412



81.7746, 0.1939, 0.2602



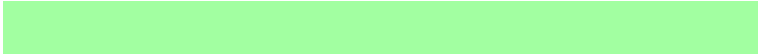
81.7746, 0.3056, 0.2430



81.7746, 0.4475, 0.3759

Rectangle

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



81.7746, 0.3080, 0.4412



81.7746, 0.2180, 0.3394



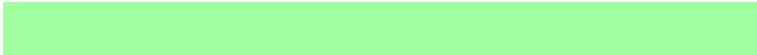
81.7746, 0.3056, 0.2430



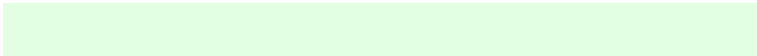
81.7746, 0.4145, 0.3084

Sweetspot

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



81.7703, 0.3080, 0.4412



93.4337, 0.3115, 0.3577



94.3569, 0.3689, 0.4197



19.8401, 0.3114, 0.3616



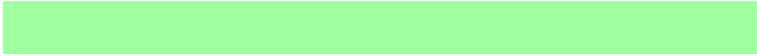
0.0000, 0.0000, 0.0000



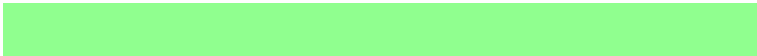
21.4041, 0.3127, 0.3290

Same Dimension

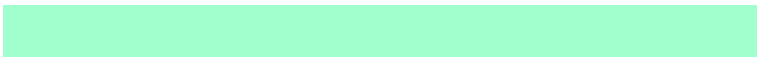
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7703, 0.3080, 0.4412



79.4238, 0.3069, 0.4669



83.5723, 0.2844, 0.3855



20.1772, 0.3117, 0.3536



37.3836, 0.3002, 0.5998



3.6430, 0.3007, 0.5994

Inverse Universe

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



53.7784, 0.3162, 0.2373



47.8435, 0.3168, 0.2208



51.3752, 0.3561, 0.2791



18.2902, 0.3136, 0.3056



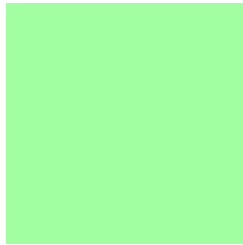
14.6239, 0.3183, 0.1527



1.4269, 0.3186, 0.1529

Previews

White Background



This preview shows how the Yxy color 81.7746, 0.3080, 0.4412 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 81.7746, 0.3080, 0.4412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

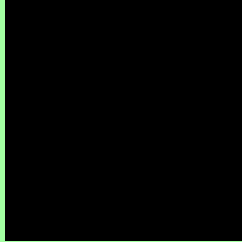
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7746, 0.3080, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 81.7746, 0.3080, 0.4412.

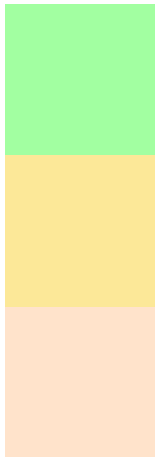


This preview shows how white text looks on a background with the Yxy color 81.7746, 0.3080, 0.4412.

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

81.7746, 0.3080, 0.4412

Protanopia

80.6757, 0.3796, 0.4102

Deuteranopia

80.5100, 0.3489, 0.3533



Tritanopia

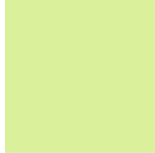
81.2759, 0.2771, 0.3129

Trichromacy



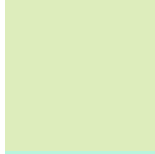
Original Color

81.7746, 0.3080, 0.4412



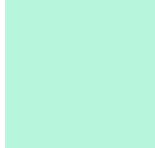
Protanomaly

79.7468, 0.3508, 0.4221



Deuteranomaly

79.5714, 0.3325, 0.3825



Tritanomaly

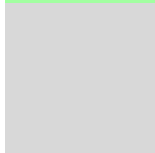
80.7156, 0.2888, 0.3560

Monochromacy



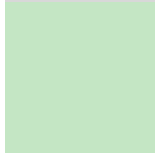
Original Color

81.7746, 0.3080, 0.4412



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3149, 0.3109, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7746, 0.3080, 0.4412 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(162, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 81.7746, 0.3080, 0.4412 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(162, 255, 161) }
```

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

```
.border{ border-color:rgb(162, 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(162, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7746, 0.3080, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 161) }
```

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

```
.background{ background-color: rgb(162,  
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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