

Converting Colors

Yxy(92.6063, 0.3143, 0.4685)

Have a look what the booklet for
Yxy(92.6063, 0.3143, 0.4685)
contains.

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Color

Yxy(81.6893, 0.3157, 0.4548)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A5FF95 |
| RGB | 165, 255, 149 |
| RGB Percent | 65%, 100%, 58% |
| CMY | 0.3529, 0.0000, 0.4156 |
| CMYK | 0.35, 0.00, 0.42, 0.00 |
| HSL | 111°, 100%, 79% |
| HSV | 111°, 42%, 100% |
| XYZ | 56.7047, 81.6893, 41.2218 |
| YIQ | 216.0060, -19.6140, -52.0460 |

Conversions

Conversions Part 2

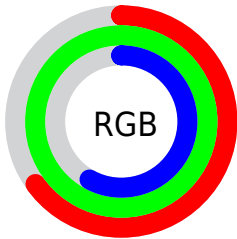
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 149, 255, 239 |
| Decimal | 10878869 |
| CIELab | 92.44, -46.49, 42.28 |
| CIElCh | 92, 62.836, 137.714 |
| Yxy | 81.6893, 0.3157, 0.4548 |
| Android (android.graphics.Color) | 4289068949 (0xFFA5FF95) |
| YUV | 216.0060, -33.0340, -44.7323 |
| Hunter-Lab | 90.3821, -46.1798, 36.2263 |

Details

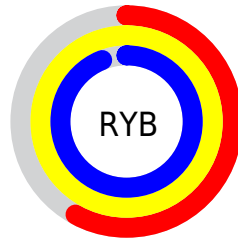
The Yxy color **81.6893, 0.3157, 0.4548** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.0760, 0.3041, 0.2223**, and the grayscale version is **68.9165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5676, 0.3220, 0.3825**, and **44.4839, 0.3136, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **78.8348, 0.3152, 0.4895**, and if you desaturate by 10%, it is **85.1189, 0.3156, 0.4206**.

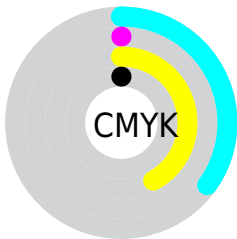
Distribution



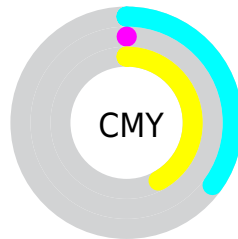
- Red (65%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6893, 0.3157, 0.4548 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 81.6893, 0.3157, 0.4548 by changing the saturation by 10% instead.


 81.6893, 0.3157,
0.4548


 81.6893, 0.3157,
0.4548


500.6078, 0.3168,
0.3942

 61.1095, 0.3147,
0.4690


 135.7382, 0.3166,
0.4334

 44.3135, 0.3132,
0.4867


 169.9761, 0.3169,
0.4252

 30.9171, 0.3106,
0.5093


209.5354, 0.3170,
0.4182

 20.5357, 0.3062,
0.5388

254.8006, 0.3170,
0.4121

 12.7850, 0.2982,
0.5786

306.1560, 0.3170,
0.4068

 7.2807, 0.2830,
0.6339


363.9861, 0.3170,


 3.6383, 0.2614,

0.4021

0.7386


428.6752, 0.3169,
0.3979


 1.4733, 0.1056,
0.8944


 0.2699, 0.0000,
1.0000


 81.6893, 0.3157,
0.4548


 81.6893, 0.3157,
0.4548


 78.8348, 0.3152,
0.4895


 85.1189, 0.3156,
0.4206


 76.5182, 0.3139,
0.5227

 89.1472, 0.3150,
0.3885

 74.7069, 0.3119,
0.5520

 93.8031, 0.3141,
0.3591

 73.3619, 0.3092,
0.5750

 99.1120, 0.3129,
0.3328

■ 72.4384, 0.3061,
0.5901

100.0000, 0.3127,
0.3290

■ 71.9410, 0.3036,
0.5971

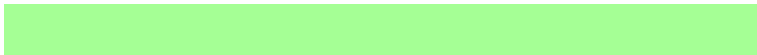
Harmonies

Analogous

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



81.6893, 0.3845, 0.4586



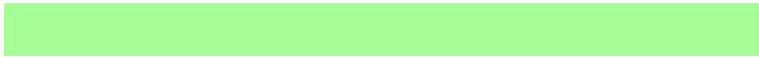
81.6893, 0.3157, 0.4548



81.6893, 0.2497, 0.4009

Triad

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



81.6893, 0.3157, 0.4548



81.6893, 0.1969, 0.2261



81.6893, 0.4328, 0.3172

Complementary

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



81.6893, 0.3157, 0.4548



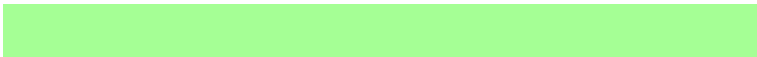
47.0760, 0.3041, 0.2223

Split Complementary

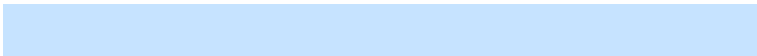
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6893, 0.3704, 0.2691



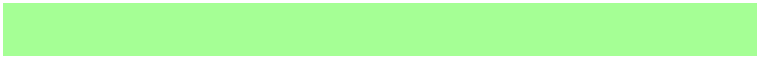
81.6893, 0.3157, 0.4548



81.6893, 0.2342, 0.2185

Square

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



81.6893, 0.3157, 0.4548



81.6893, 0.1865, 0.2608



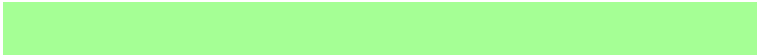
81.6893, 0.2958, 0.2342



81.6893, 0.4574, 0.3712

Rectangle

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



81.6893, 0.3157, 0.4548



81.6893, 0.2163, 0.3494



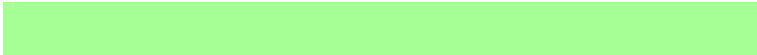
81.6893, 0.2958, 0.2342



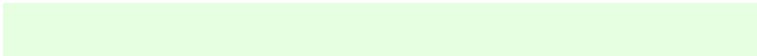
81.6893, 0.4152, 0.3002

Sweetspot

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



81.6911, 0.3157, 0.4548



93.5842, 0.3141, 0.3603



84.1947, 0.3817, 0.4171



19.8937, 0.3142, 0.3640



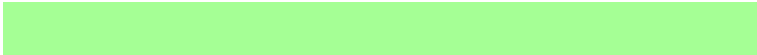
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

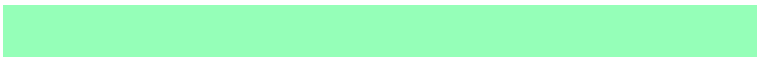
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6911, 0.3157, 0.4548



79.2437, 0.3153, 0.4841



81.3873, 0.2893, 0.4142



20.2996, 0.3138, 0.3534



37.6297, 0.3042, 0.5966



3.7007, 0.3102, 0.5919

Inverse Universe

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



47.0760, 0.3041, 0.2223



40.3214, 0.3015, 0.2019



47.9128, 0.3486, 0.2575



18.1534, 0.3114, 0.3054



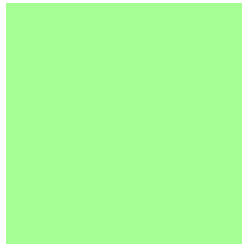
11.4961, 0.2830, 0.1332



1.1553, 0.2875, 0.1358

Previews

White Background



This preview shows how the Yxy color 81.6893, 0.3157, 0.4548 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 81.6893, 0.3157, 0.4548 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 81.6893, 0.3157, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 81.6893, 0.3157, 0.4548.

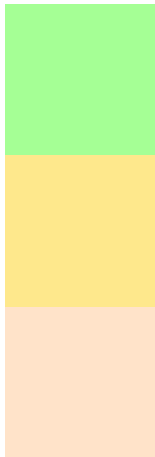


This preview shows how white text looks on a background with the Yxy color 81.6893, 0.3157, 0.4548.

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

81.6893, 0.3157, 0.4548

Protanopia

80.6775, 0.3886, 0.4211

Deuteranopia

80.4152, 0.3503, 0.3554



Tritanopia

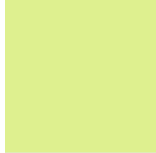
81.4105, 0.2777, 0.3129

Trichromacy



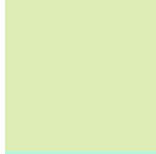
Original Color

81.6893, 0.3157, 0.4548



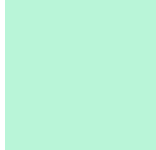
Protanomaly

79.8329, 0.3601, 0.4339



Deuteranomaly

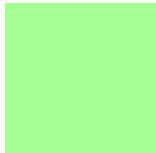
79.4754, 0.3370, 0.3890



Tritanomaly

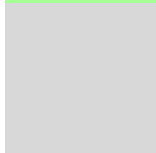
80.5770, 0.2921, 0.3618

Monochromacy



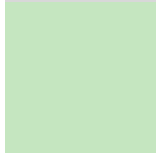
Original Color

81.6893, 0.3157, 0.4548



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.2697, 0.3140, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6893, 0.3157, 0.4548 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(165, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 149)  
}
```

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(165, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 81.6893, 0.3157, 0.4548 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(165, 255, 149) }
```

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

```
.border{ border-color:rgb(165, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6893, 0.3157, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 149) }
```

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

```
.background{ background-color: rgb(165,  
255, 149) }
```

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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