

Converting Colors

Yxy(110.3668, 0.3142, 0.4870)

Have a look what the booklet for
Yxy(110.3668, 0.3142, 0.4870)
contains.

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Color

Yxy(81.8421, 0.3179, 0.4567)

Conversions

Conversions Part 1

Format	Color
Hex	A7FF93
RGB	167, 255, 147
RGB Percent	65%, 100%, 58%
CMY	0.3449, 0.0000, 0.4236
CMYK	0.34, 0.00, 0.42, 0.00
HSL	109°, 100%, 79%
HSV	109°, 42%, 100%
XYZ	56.9687, 81.8421, 40.3924
YIQ	216.3760, -17.7800, -52.2440

Conversions

Conversions Part 2

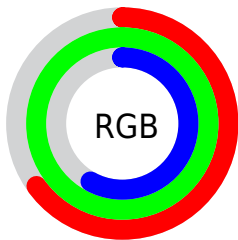
Format	Color
RYB	147, 255, 235
Decimal	11009939
CIELab	92.51, -46.12, 43.37
CIElCh	93, 63.313, 136.762
Yxy	81.8421, 0.3179, 0.4567
Android (android.graphics.Color)	4289200019 (0xFFA7FF93)
YUV	216.3760, -34.2024, -43.3028
Hunter-Lab	90.4666, -45.9115, 36.8543

Details

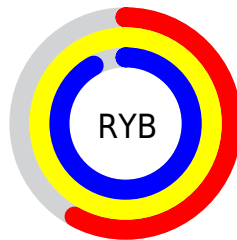
The Yxy color **81.8421, 0.3179, 0.4567** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.7363, 0.3007, 0.2193**, and the grayscale version is **69.1935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7918, 0.3245, 0.3844**, and **44.5758, 0.3161, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **79.0482, 0.3177, 0.4910**, and if you desaturate by 10%, it is **85.1836, 0.3174, 0.4228**.

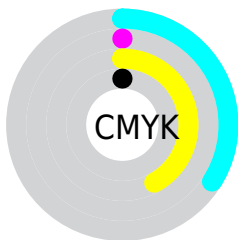
Distribution



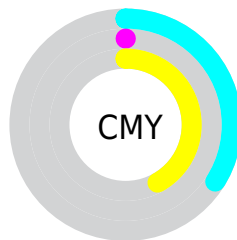
- Red (65%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (92%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8421, 0.3179, 0.4567 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 81.8421, 0.3179, 0.4567 by changing the saturation by 10% instead.


 81.8421, 0.3179,
0.4567


 81.8421, 0.3179,
0.4567


501.1194, 0.3181,
0.3953

 61.2354, 0.3171,
0.4711


 135.9526, 0.3186,
0.4350

 44.4152, 0.3158,
0.4890


 170.2251, 0.3186,
0.4267

 30.9970, 0.3134,
0.5117


209.8217, 0.3186,
0.4196

 20.5966, 0.3092,
0.5414

255.1267, 0.3186,
0.4134

 12.8294, 0.3014,
0.5813

306.5246, 0.3185,
0.4080

 7.3112, 0.2864,
0.6365


364.3998, 0.3184,


 3.6575, 0.2635,


0.4032


0.7365


429.1366, 0.3183,
0.3990


 1.4839, 0.1134,
0.8866


 0.2773, 0.0000,
1.0000


 81.8421, 0.3179,
0.4567

 81.8421, 0.3179,
0.4567

 79.0482, 0.3177,
0.4910


 85.1836, 0.3174,
0.4228


 76.7622, 0.3165,
0.5236

 89.0890, 0.3163,
0.3907

 74.9556, 0.3144,
0.5523

 93.5870, 0.3148,
0.3612

 73.5925, 0.3115,
0.5747

 98.7011, 0.3131,
0.3348

■ 72.6318, 0.3079,
0.5894

99.9991, 0.3127,
0.3290

■ 72.1317, 0.3052,
0.5959

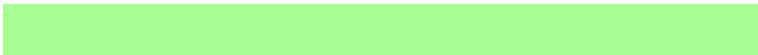
Harmonies

Analogous

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



81.8421, 0.3869, 0.4588



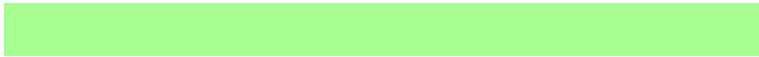
81.8421, 0.3179, 0.4567



81.8421, 0.2511, 0.4037

Triad

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



81.8421, 0.3179, 0.4567



81.8421, 0.1955, 0.2261



81.8421, 0.4322, 0.3154

Complementary

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



81.8421, 0.3179, 0.4567



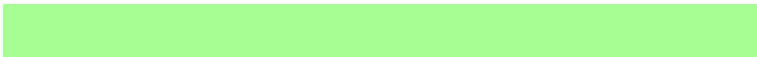
45.7363, 0.3007, 0.2193

Split Complementary

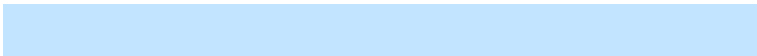
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8421, 0.3684, 0.2674



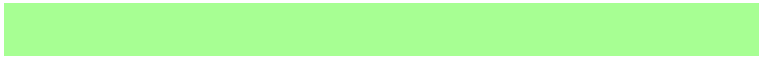
81.8421, 0.3179, 0.4567



81.8421, 0.2321, 0.2177

Square

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



81.8421, 0.3179, 0.4567



81.8421, 0.1859, 0.2619



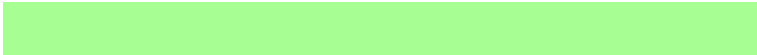
81.8421, 0.2934, 0.2328



81.8421, 0.4583, 0.3696

Rectangle

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



81.8421, 0.3179, 0.4567



81.8421, 0.2170, 0.3520



81.8421, 0.2934, 0.2328



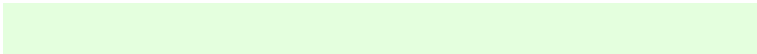
81.8421, 0.4140, 0.2984

Sweetspot

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



81.8456, 0.3179, 0.4567



93.2807, 0.3149, 0.3630



81.8686, 0.3845, 0.4155



19.7441, 0.3153, 0.3693



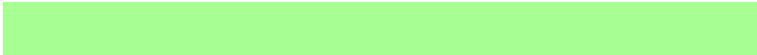
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

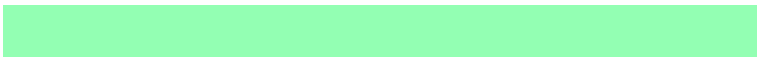
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8456, 0.3179, 0.4567



79.3981, 0.3177, 0.4864



80.9916, 0.2907, 0.4207



20.3303, 0.3144, 0.3534



37.7371, 0.3060, 0.5953



3.7157, 0.3126, 0.5900

Inverse Universe

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



45.7363, 0.3007, 0.2193



38.8389, 0.2971, 0.1980



47.4296, 0.3461, 0.2528



18.1199, 0.3108, 0.3054



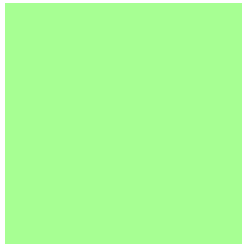
10.8145, 0.2742, 0.1284



1.0951, 0.2798, 0.1315

Previews

White Background



This preview shows how the Yxy color 81.8421, 0.3179, 0.4567 looks on a white background.

Color Contrast Check

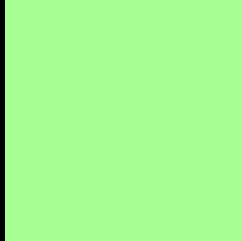
Large Text (above 18pt) WCAG AA × Fail

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 81.8421, 0.3179, 0.4567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

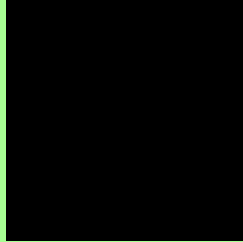
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

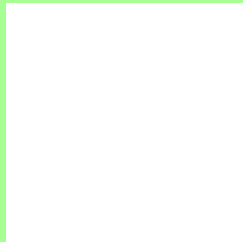
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8421, 0.3179, 0.4567

Background



This preview shows how black text looks on a background with the Yxy color 81.8421, 0.3179, 0.4567.

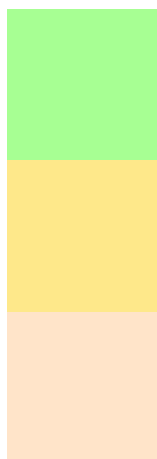


This preview shows how white text looks on a background with the Yxy color 81.8421, 0.3179, 0.4567.

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

81.8421, 0.3179, 0.4567

Protanopia

80.6190, 0.3899, 0.4229

Deuteranopia

80.9639, 0.3501, 0.3564



Tritanopia

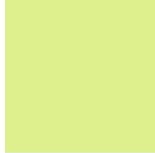
81.5459, 0.2782, 0.3130

Trichromacy



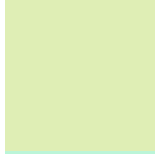
Original Color

81.8421, 0.3179, 0.4567



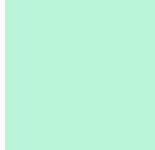
Protanomaly

79.7729, 0.3612, 0.4360



Deuteranomaly

80.1732, 0.3382, 0.3910



Tritanomaly

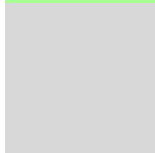
80.8275, 0.2933, 0.3617

Monochromacy



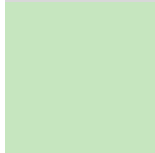
Original Color

81.8421, 0.3179, 0.4567



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3610, 0.3154, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8421, 0.3179, 0.4567 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(167, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 147)  
}
```

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(167, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 147) }
```

Border

The CSS property to change the border of an element to Yxy 81.8421, 0.3179, 0.4567 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(167, 255, 147) }
```

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

```
.border{ border-color:rgb(167, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8421, 0.3179, 0.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 147) }
```

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

```
.background{ background-color: rgb(167,  
255, 147) }
```

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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