

Converting Colors

Yxy(82.1563, 0.3080, 0.4371)

Have a look what the booklet for
Yxy(82.1563, 0.3080, 0.4371)
contains.

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Color

Yxy(82.1997, 0.3082, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFA4
RGB	165, 255, 164
RGB Percent	65%, 100%, 64%
CMY	0.3531, 0.0000, 0.3569
CMYK	0.35, 0.00, 0.36, 0.00
HSL	119°, 100%, 82%
HSV	119°, 36%, 100%
XYZ	57.9724, 82.1997, 47.9279
YIQ	217.7160, -24.4290, -47.3810

Conversions

Conversions Part 2

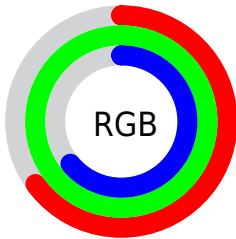
Format	Color
RYB	164, 255, 254
Decimal	10878884
CIELab	92.66, -44.34, 35.21
CIELCh	93, 56.623, 141.548
Yxy	82.1997, 0.3082, 0.4370
Android (android.graphics.Color)	4289068964 (0xFFA5FFA4)
YUV	217.7160, -26.4820, -46.2319
Hunter-Lab	90.6641, -44.5256, 32.1223

Details

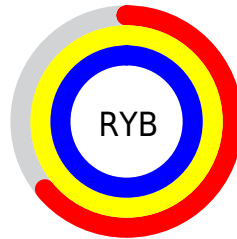
The Yxy color **82.1997, 0.3082, 0.4370** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.8434, 0.3161, 0.2401**, and the grayscale version is **70.0959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3753, 0.3129, 0.3653**, and **44.7871, 0.3050, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **78.9225, 0.3066, 0.4730**, and if you desaturate by 10%, it is **86.1880, 0.3097, 0.4027**.

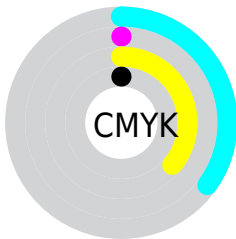
Distribution



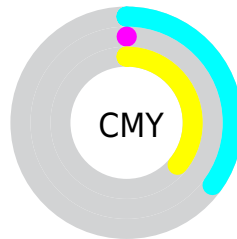
- Red (65%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1997, 0.3082, 0.4370 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 82.1997, 0.3082, 0.4370 by changing the saturation by 10% instead.


 82.1997, 0.3082,
0.4370


 82.1997, 0.3082,
0.4370


502.3154, 0.3121,
0.3851

 61.5302, 0.3069,
0.4492


 136.4540, 0.3099,
0.4187

 44.6532, 0.3049,
0.4645


 170.8076, 0.3105,
0.4116

 31.1843, 0.3021,
0.4840


210.4913, 0.3109,
0.4056

 20.7392, 0.2977,
0.5098

255.8895, 0.3112,
0.4004

 12.9335, 0.2905,
0.5451

307.3866, 0.3115,
0.3959

 7.3828, 0.2776,
0.5956

365.3670, 0.3117,

 3.7026, 0.2594,

0.3918

0.6903

430.2152, 0.3119,
0.3883

■ 1.5086, 0.1421,
0.8579

■ 0.2948, 0.0000,
1.0000

■ 82.1997, 0.3082,
0.4370

■ 82.1997, 0.3082,
0.4370

■ 78.9225, 0.3066,
0.4730

■ 86.1880, 0.3097,
0.4027

■ 76.3243, 0.3050,
0.5088

■ 90.9370, 0.3110,
0.3713

■ 74.3545, 0.3034,
0.5416

■ 96.4796, 0.3121,
0.3433

■ 72.9599, 0.3020,
0.5686

100.0000, 0.3127,
0.3290

■ 72.0786, 0.3009,
0.5876

■ 71.6344, 0.3003,
0.5976

■ 71.5377, 0.3002,
0.5999

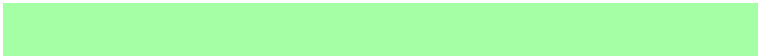
Harmonies

Analogous

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



82.1997, 0.3713, 0.4476



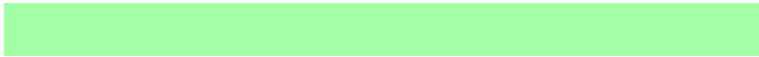
82.1997, 0.3082, 0.4370



82.1997, 0.2496, 0.3848

Triad

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



82.1997, 0.3082, 0.4370



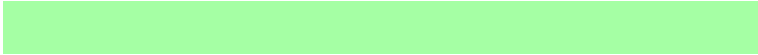
82.1997, 0.2101, 0.2333



82.1997, 0.4257, 0.3254

Complementary

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



82.1997, 0.3082, 0.4370



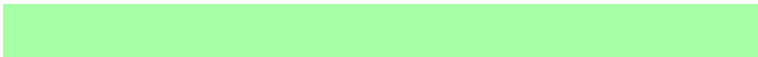
54.8434, 0.3161, 0.2401

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.



82.1997, 0.3732, 0.2798



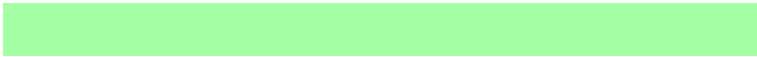
82.1997, 0.3082, 0.4370



82.1997, 0.2477, 0.2287

Square

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



82.1997, 0.3082, 0.4370



82.1997, 0.1973, 0.2624



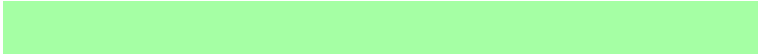
82.1997, 0.3062, 0.2456



82.1997, 0.4432, 0.3752

Rectangle

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



82.1997, 0.3082, 0.4370



82.1997, 0.2207, 0.3390



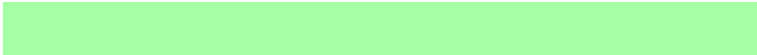
82.1997, 0.3062, 0.2456



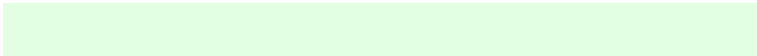
82.1997, 0.4114, 0.3093

Sweetspot

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



82.1962, 0.3082, 0.4370



93.4351, 0.3116, 0.3577



94.4961, 0.3671, 0.4169



19.8405, 0.3114, 0.3616



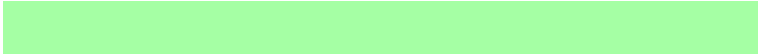
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1962, 0.3082, 0.4370



79.7346, 0.3070, 0.4633



83.9648, 0.2852, 0.3834



20.1775, 0.3117, 0.3536



37.3840, 0.3002, 0.5998



3.6431, 0.3007, 0.5994

Inverse Universe

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



54.8434, 0.3161, 0.2401



48.6152, 0.3167, 0.2230



52.5121, 0.3543, 0.2807



18.2899, 0.3136, 0.3056



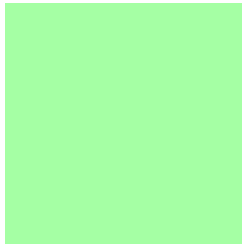
14.6165, 0.3182, 0.1527



1.4262, 0.3186, 0.1529

Previews

White Background



This preview shows how the Yxy color 82.1997, 0.3082, 0.4370 looks on a white background.

Color Contrast Check

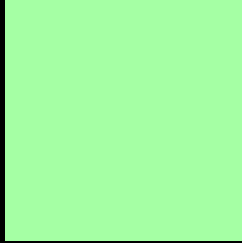
Large Text (above 18pt) WCAG AA × Fail

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 82.1997, 0.3082, 0.4370 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

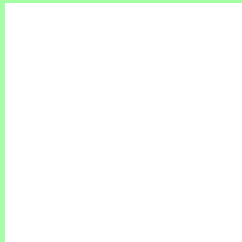
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1997, 0.3082, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 82.1997, 0.3082, 0.4370.

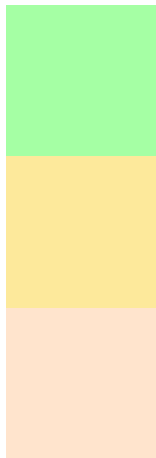


This preview shows how white text looks on a background with the Yxy color 82.1997, 0.3082, 0.4370.

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

82.1997, 0.3082, 0.4370

Protanopia

81.5270, 0.3781, 0.4079

Deuteranopia

81.1546, 0.3473, 0.3523



Tritanopia

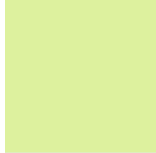
81.5459, 0.2782, 0.3130

Trichromacy



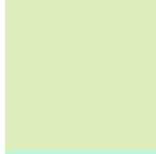
Original Color

82.1997, 0.3082, 0.4370



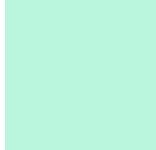
Protanomaly

80.7514, 0.3502, 0.4193



Deuteranomaly

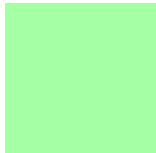
80.3964, 0.3318, 0.3811



Tritanomaly

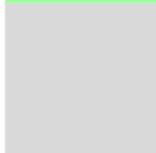
81.0178, 0.2894, 0.3548

Monochromacy



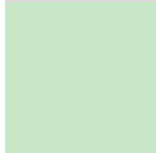
Original Color

82.1997, 0.3082, 0.4370



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3712, 0.3116, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1997, 0.3082, 0.4370 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 164) }
```

Border

The CSS property to change the border of an element to Yxy 82.1997, 0.3082, 0.4370 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, 164) }
```

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

```
.border{ border-color:rgb(165, 255, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1997, 0.3082, 0.4370 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, 164) }
```

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

```
.background{ background-color: rgb(165,  
255, 164) }
```

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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