

# Converting Colors

Yxy(82.0796, 0.3223, 0.4614)

Have a look what the booklet for  
Yxy(82.0796, 0.3223, 0.4614)  
contains.

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**Color**

**Yxy(82.0190, 0.3221, 0.4617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAFF8E
RGB	170, 255, 142
RGB Percent	67%, 100%, 56%
CMY	0.3333, 0.0000, 0.4431
CMYK	0.33, 0.00, 0.44, 0.00
HSL	105°, 100%, 78%
HSV	105°, 44%, 100%
XYZ	57.2197, 82.0190, 38.4070
YIQ	216.7030, -14.3870, -53.1630

# Conversions

## Conversions Part 2

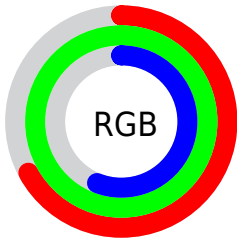
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 255, 227
Decimal	11206542
CIELab	92.58, -45.84, 45.90
CIELCh	93, 64.873, 134.965
Yxy	82.0190, 0.3221, 0.4617
Android (android.graphics.Color)	4289396622 (0xFFAAFF8E)
YUV	216.7030, -36.8286, -40.9585
Hunter-Lab	90.5643, -45.7091, 38.2510

# Details

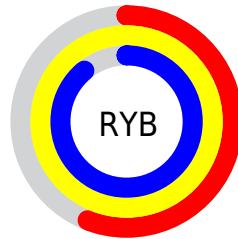
The Yxy color **82.0190, 0.3221, 0.4617** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.8991, 0.2940, 0.2123**, and the grayscale version is **69.4375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0452, 0.3293, 0.3894**, and **44.6868, 0.3209, 0.4956** is the 20% darker color. If you saturate the color by 10%, you get **79.3544, 0.3223, 0.4951**, and if you desaturate by 10%, it is **85.1706, 0.3209, 0.4283**.

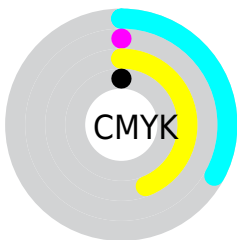
# Distribution



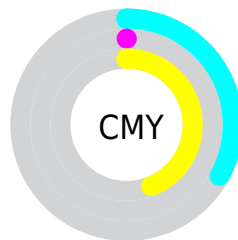
- Red (67%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0190, 0.3221, 0.4617 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 82.0190, 0.3221, 0.4617 by changing the saturation by 10% instead.





 82.0190, 0.3221,  
0.4617


 82.0190, 0.3221,  
0.4617


501.7112, 0.3207,  
0.3980

 61.3812, 0.3216,  
0.4766

 136.2006, 0.3222,  
0.4393

 44.5329, 0.3206,  
0.4950


 170.5133, 0.3221,  
0.4306

 31.0897, 0.3185,  
0.5183


210.1530, 0.3219,  
0.4232

 20.6671, 0.3145,  
0.5486

255.5041, 0.3217,  
0.4168

 12.8809, 0.3069,  
0.5890

306.9511, 0.3214,  
0.4112

 7.3466, 0.2921,  
0.6449


364.8784, 0.3212,


 3.6798, 0.2654,


0.4063


0.7346

429.6703, 0.3209,  
0.4019


 1.4961, 0.1205,  
0.8795


 0.2860, 0.0000,  
1.0000


 82.0190, 0.3221,  
0.4617


 82.0190, 0.3221,  
0.4617


 79.3544, 0.3223,  
0.4951

 85.1706, 0.3209,  
0.4283

 77.1514, 0.3214,  
0.5264

 88.8330, 0.3190,  
0.3963

 75.3819, 0.3192,  
0.5535

 93.0281, 0.3166,  
0.3666

 74.0144, 0.3158,  
0.5744

 97.7767, 0.3139,  
0.3397

■ 73.0123, 0.3114,  
0.5880

100.0000, 0.3127,  
0.3290

■ 72.5825, 0.3089,  
0.5929

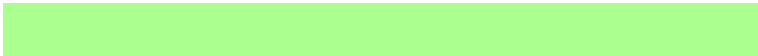
# Harmonies

## Analogous

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



82.0190, 0.3922, 0.4603



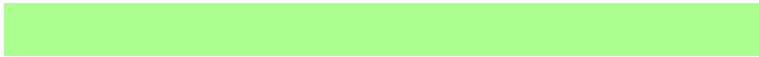
82.0190, 0.3221, 0.4617



82.0190, 0.2533, 0.4101

# Triad

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



82.0190, 0.3221, 0.4617



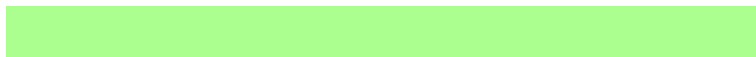
82.0190, 0.1918, 0.2252



82.0190, 0.4320, 0.3118

# Complementary

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



82.0190, 0.3221, 0.4617



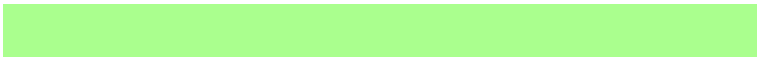
42.8991, 0.2940, 0.2123

# Split Complementary

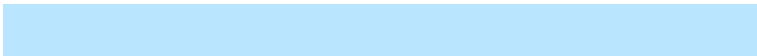
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.0190, 0.3651, 0.2635



82.0190, 0.3221, 0.4617



82.0190, 0.2274, 0.2153

# Square

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



82.0190, 0.3221, 0.4617



82.0190, 0.1836, 0.2633



82.0190, 0.2885, 0.2294

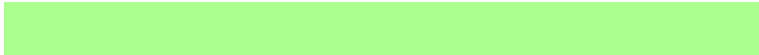


82.0190, 0.4614, 0.3667



# Rectangle

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



82.0190, 0.3221, 0.4617



82.0190, 0.2175, 0.3574



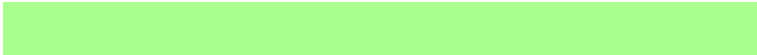
82.0190, 0.2885, 0.2294



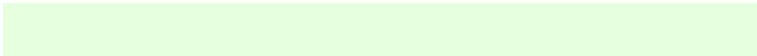
82.0190, 0.4127, 0.2946

# Sweetspot

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



82.0189, 0.3221, 0.4617



93.6193, 0.3162, 0.3629



78.0152, 0.3904, 0.4143



19.8267, 0.3168, 0.3691



0.0000, 0.0000, 0.0000

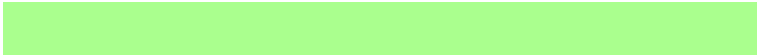


21.4041, 0.3127, 0.3290

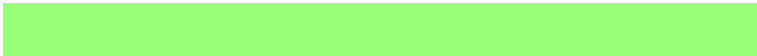


# Same Dimension

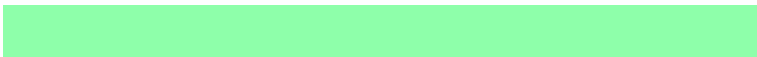
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0189, 0.3221, 0.4617



79.6771, 0.3224, 0.4907



80.1830, 0.2927, 0.4331



20.3854, 0.3153, 0.3533



37.9842, 0.3099, 0.5922



3.7470, 0.3175, 0.5861



# Inverse Universe

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



42.8991, 0.2940, 0.2123



36.0704, 0.2888, 0.1904



46.1395, 0.3428, 0.2443



18.0605, 0.3098, 0.3053



9.6901, 0.2588, 0.1199

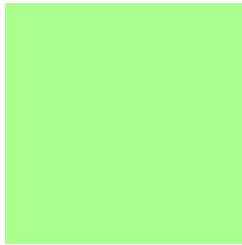


0.9946, 0.2661, 0.1240



# Previews

## White Background



This preview shows how the Yxy color 82.0190, 0.3221, 0.4617 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

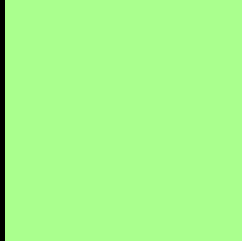
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0190, 0.3221, 0.4617 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

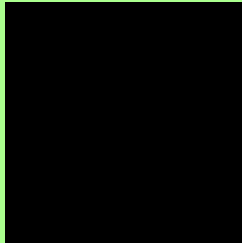
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

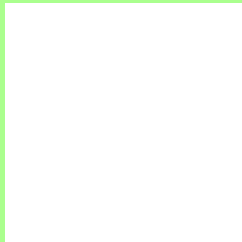
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0190, 0.3221, 0.4617**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0190, 0.3221, 0.4617.

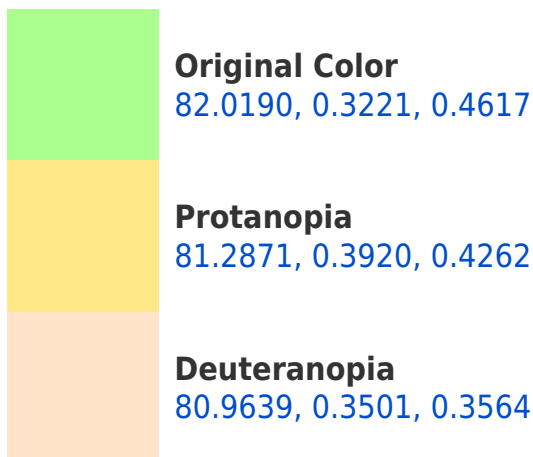


This preview shows how white text looks on a background with the Yxy color 82.0190, 0.3221, 0.4617.

# 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





## Tritanopia

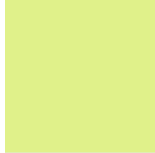
81.8195, 0.2794, 0.3130

# Trichromacy



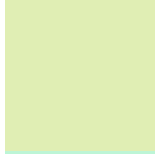
## Original Color

82.0190, 0.3221, 0.4617



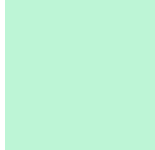
## Protanomaly

80.5929, 0.3640, 0.4393



## Deuteranomaly

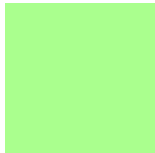
80.2917, 0.3395, 0.3919



## Tritanomaly

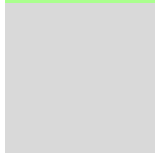
80.9787, 0.2956, 0.3639

# Monochromacy



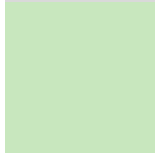
## Original Color

82.0190, 0.3221, 0.4617



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

73.1489, 0.3173, 0.3762

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0190, 0.3221, 0.4617 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(170, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 142)  
}
```

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(170, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0190, 0.3221, 0.4617 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(170, 255, 142) }
```

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

```
.border{ border-color:rgb(170, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 255, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 255, 142); box-shadow:4px 4px 4px 4px rgb(170, 255, 142) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0190, 0.3221, 0.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 142) }
```

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

```
.background{ background-color: rgb(170,  
255, 142) }
```

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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