

Converting Colors

$Yxy(82.3066, 0.3164, 0.4491)$

Have a look what the booklet for
Yxy(82.3066, 0.3164, 0.4491)
contains.

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Color

Yxy(82.3660, 0.3167, 0.4490)

Conversions

Conversions Part 1

Format	Color
Hex	A AFF99
RGB	170, 255, 153
RGB Percent	67%, 100%, 60%
CMY	0.3331, 0.0000, 0.3999
CMYK	0.33, 0.00, 0.40, 0.00
HSL	110°, 100%, 80%
HSV	110°, 40%, 100%
XYZ	58.0965, 82.3660, 42.9807
YIQ	217.9570, -17.9180, -49.7420

Conversions

Conversions Part 2

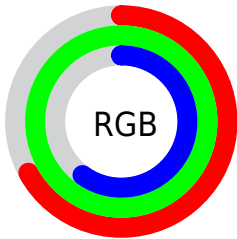
Format	Color
RYB	153, 255, 238
Decimal	11206553
CIELab	92.74, -44.36, 40.76
CIELCh	93, 60.243, 137.418
Yxy	82.3660, 0.3167, 0.4490
Android (android.graphics.Color)	4289396633 (0xFFAAFF99)
YUV	217.9570, -32.0238, -42.0583
Hunter-Lab	90.7557, -44.5573, 35.4500

Details

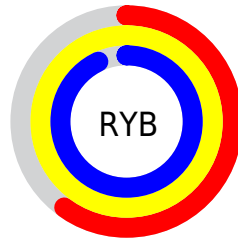
The Yxy color **82.3660, 0.3167, 0.4490** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.1800, 0.3032, 0.2258**, and the grayscale version is **70.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5680, 0.3229, 0.3777**, and **44.8857, 0.3148, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **79.4348, 0.3165, 0.4836**, and if you desaturate by 10%, it is **85.8667, 0.3163, 0.4152**.

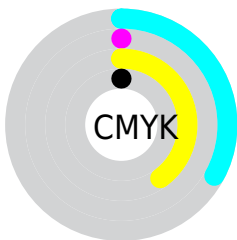
Distribution



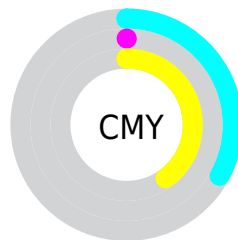
- Red (67%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3660, 0.3167, 0.4490 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 82.3660, 0.3167, 0.4490 by changing the saturation by 10% instead.


 82.3660, 0.3167,
0.4490

 82.3660, 0.3167,
0.4490


502.8711, 0.3172,
0.3914

 61.6673, 0.3160,
0.4625


 136.6871, 0.3174,
0.4287

 44.7639, 0.3147,
0.4793


 171.0783, 0.3175,
0.4209

 31.2715, 0.3126,
0.5007


210.8025, 0.3175,
0.4142

 20.8057, 0.3089,
0.5286

256.2439, 0.3175,
0.4084

 12.9820, 0.3021,
0.5664

307.7872, 0.3174,
0.4034

 7.4162, 0.2889,
0.6191


365.8165, 0.3173,


 3.7237, 0.2735,


0.3989

0.7265


430.7163, 0.3173,
0.3949

 1.5202, 0.1448,
0.8552


 0.3029, 0.0000,
1.0000


 82.3660, 0.3167,
0.4490


 82.3660, 0.3167,
0.4490

 79.4348, 0.3165,
0.4836

 85.8667, 0.3163,
0.4152

 77.0328, 0.3154,
0.5170

 89.9542, 0.3154,
0.3836

 75.1306, 0.3135,
0.5470

 94.6576, 0.3142,
0.3547

 73.6918, 0.3108,
0.5710

99.9973, 0.3127,
0.3290

■ 72.6745, 0.3076,
0.5876

■ 72.0224, 0.3043,
0.5966

■ 72.0219, 0.3043,
0.5966

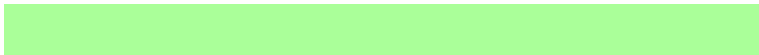
Harmonies

Analogous

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



82.3660, 0.3827, 0.4529



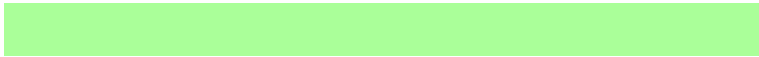
82.3660, 0.3167, 0.4490



82.3660, 0.2531, 0.3982

Triad

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



82.3660, 0.3167, 0.4490



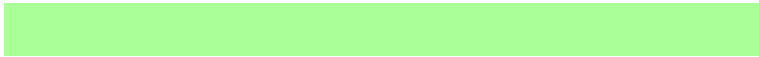
82.3660, 0.2011, 0.2304



82.3660, 0.4271, 0.3176

Complementary

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



82.3660, 0.3167, 0.4490



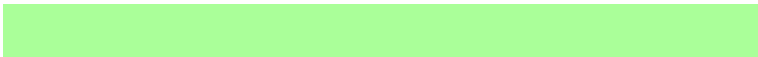
48.1800, 0.3032, 0.2258

Split Complementary

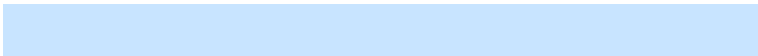
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3660, 0.3673, 0.2711



82.3660, 0.3167, 0.4490



82.3660, 0.2369, 0.2226

Square

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



82.3660, 0.3167, 0.4490



82.3660, 0.1913, 0.2644



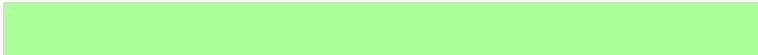
82.3660, 0.2960, 0.2375



82.3660, 0.4512, 0.3697

Rectangle

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



82.3660, 0.3167, 0.4490



82.3660, 0.2207, 0.3495



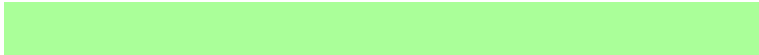
82.3660, 0.2960, 0.2375



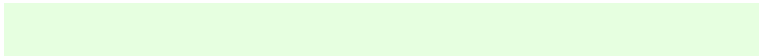
82.3660, 0.4102, 0.3011

Sweetspot

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



82.3695, 0.3167, 0.4490



93.6656, 0.3144, 0.3603



83.7237, 0.3796, 0.4124



19.9127, 0.3146, 0.3639



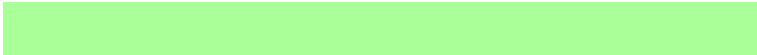
0.0000, 0.0000, 0.0000



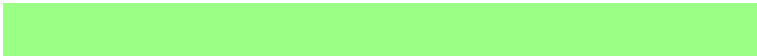
21.4041, 0.3127, 0.3290

Same Dimension

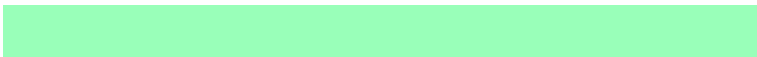
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3695, 0.3167, 0.4490



79.9787, 0.3166, 0.4767



81.8075, 0.2909, 0.4125



20.3138, 0.3141, 0.3534



37.6768, 0.3050, 0.5960



3.7074, 0.3113, 0.5910

Inverse Universe

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



48.1800, 0.3032, 0.2258



41.4729, 0.3004, 0.2059



49.3600, 0.3452, 0.2585



18.1378, 0.3111, 0.3054



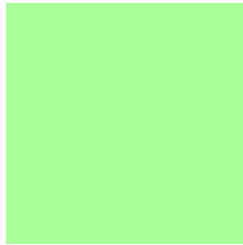
11.1754, 0.2789, 0.1310



1.1270, 0.2840, 0.1338

Previews

White Background



This preview shows how the Yxy color 82.3660, 0.3167, 0.4490 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 82.3660, 0.3167, 0.4490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

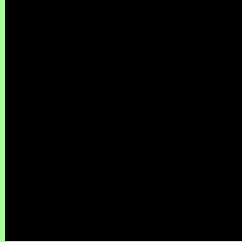
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

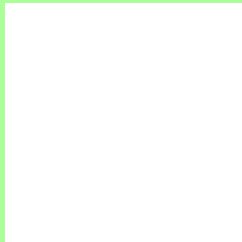
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3660, 0.3167, 0.4490

Background



This preview shows how black text looks on a background with the Yxy color 82.3660, 0.3167, 0.4490.

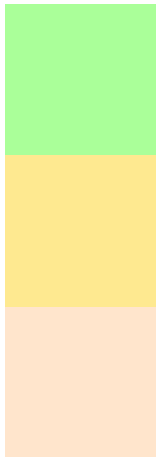


This preview shows how white text looks on a background with the Yxy color 82.3660, 0.3167, 0.4490.

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

82.3660, 0.3167, 0.4490

Protanopia

81.3623, 0.3858, 0.4182

Deuteranopia

81.6583, 0.3478, 0.3543



Tritanopia

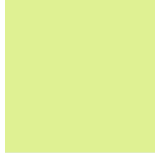
81.9577, 0.2800, 0.3130

Trichromacy



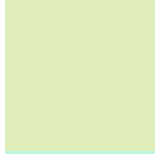
Original Color

82.3660, 0.3167, 0.4490



Protanomaly

80.7052, 0.3581, 0.4304



Deuteranomaly

80.4991, 0.3364, 0.3864



Tritanomaly

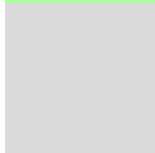
81.3139, 0.2939, 0.3592

Monochromacy



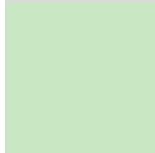
Original Color

82.3660, 0.3167, 0.4490



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4644, 0.3155, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3660, 0.3167, 0.4490 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 82.3660, 0.3167, 0.4490 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, 153) }
```

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

```
.border{ border-color:rgb(170, 255, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3660, 0.3167, 0.4490 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, 153) }
```

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

```
.background{ background-color: rgb(170,  
255, 153) }
```

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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