

Converting Colors

$Yxy(82.2827, 0.3212, 0.4574)$

Have a look what the booklet for
Yxy(82.2827, 0.3212, 0.4574)
contains.

Yxy(82.2532, 0.3208, 0.4569)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.2532, 0.3208, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF92
RGB	171, 255, 146
RGB Percent	67%, 100%, 57%
CMY	0.3292, 0.0000, 0.4275
CMYK	0.33, 0.00, 0.43, 0.00
HSL	106°, 100%, 79%
HSV	106°, 43%, 100%
XYZ	57.7519, 82.2532, 40.0194
YIQ	217.4580, -15.0750, -51.7070

Conversions

Conversions Part 2

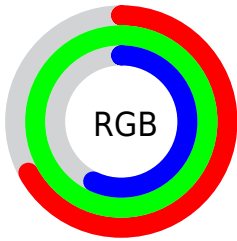
Format	Color
RYB	146, 255, 230
Decimal	11272082
CIELab	92.69, -44.98, 44.13
CIELCh	93, 63.014, 135.550
Yxy	82.2532, 0.3208, 0.4569
Android (android.graphics.Color)	4289462162 (0xFFABFF92)
YUV	217.4580, -35.2288, -40.7437
Hunter-Lab	90.6935, -45.0484, 37.3232

Details

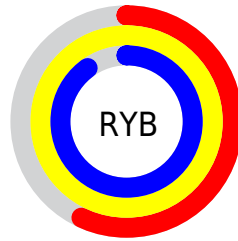
The Yxy color **82.2532, 0.3208, 0.4569** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.5821, 0.2965, 0.2169**, and the grayscale version is **69.9829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3951, 0.3276, 0.3850**, and **44.8233, 0.3195, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **79.5052, 0.3210, 0.4906**, and if you desaturate by 10%, it is **85.5127, 0.3197, 0.4234**.

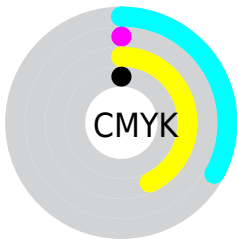
Distribution



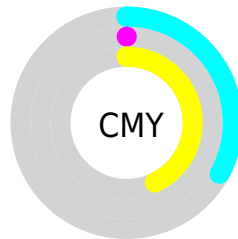
- Red (67%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2532, 0.3208, 0.4569 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 82.2532, 0.3208, 0.4569 by changing the saturation by 10% instead.


 82.2532, 0.3208,
0.4569

 82.2532, 0.3208,
0.4569


502.4942, 0.3197,
0.3955

 61.5743, 0.3203,
0.4712


 136.5290, 0.3210,
0.4353

 44.6888, 0.3193,
0.4890


 170.8947, 0.3209,
0.4270

 31.2124, 0.3173,
0.5116


210.5914, 0.3208,
0.4198

 20.7606, 0.3136,
0.5410

256.0035, 0.3206,
0.4137

 12.9491, 0.3065,
0.5802

307.5155, 0.3204,
0.4083

 7.3935, 0.2924,
0.6343

365.5117, 0.3202,


 3.7094, 0.2701,


0.4035


0.7299


430.3764, 0.3200,
0.3993


 1.5124, 0.1354,
0.8646


 0.2974, 0.0000,
1.0000


 82.2532, 0.3208,
0.4569


 82.2532, 0.3208,
0.4569


 79.5052, 0.3210,
0.4906


 85.5127, 0.3197,
0.4234


 77.2320, 0.3201,
0.5226

 89.2974, 0.3180,
0.3916

 75.4080, 0.3181,
0.5507

 93.6336, 0.3158,
0.3622

 74.0013, 0.3149,
0.5728

 98.5426, 0.3134,
0.3358

■ 72.9746, 0.3108,
0.5874

99.9968, 0.3127,
0.3290

■ 72.4364, 0.3078,
0.5938

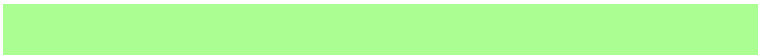
Harmonies

Analogous

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



82.2532, 0.3891, 0.4571



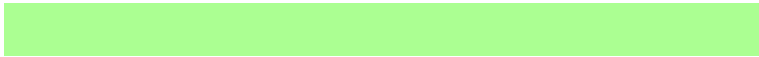
82.2532, 0.3208, 0.4569



82.2532, 0.2540, 0.4061

Triad

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



82.2532, 0.3208, 0.4569



82.2532, 0.1952, 0.2276



82.2532, 0.4294, 0.3135

Complementary

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



82.2532, 0.3208, 0.4569



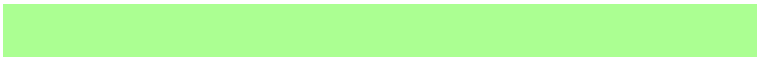
44.5821, 0.2965, 0.2169

Split Complementary

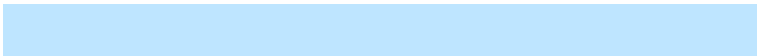
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2532, 0.3651, 0.2660



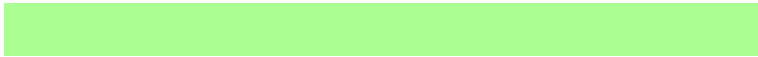
82.2532, 0.3208, 0.4569



82.2532, 0.2306, 0.2182

Square

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



82.2532, 0.3208, 0.4569



82.2532, 0.1867, 0.2644



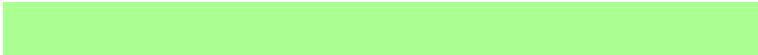
82.2532, 0.2907, 0.2323



82.2532, 0.4573, 0.3672

Rectangle

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



82.2532, 0.3208, 0.4569



82.2532, 0.2193, 0.3551



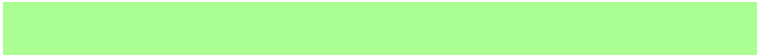
82.2532, 0.2907, 0.2323



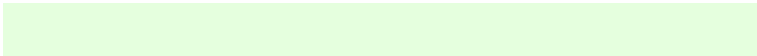
82.2532, 0.4110, 0.2966

Sweetspot

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



82.2567, 0.3208, 0.4569



93.5224, 0.3159, 0.3629



79.6826, 0.3867, 0.4130



19.8031, 0.3164, 0.3692



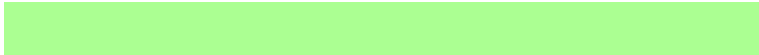
0.0000, 0.0000, 0.0000



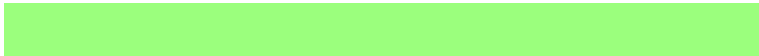
21.4041, 0.3127, 0.3290

Same Dimension

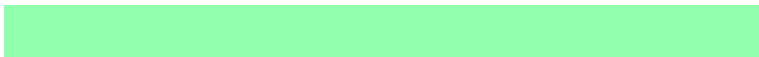
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2567, 0.3208, 0.4569



79.9549, 0.3210, 0.4848



80.7238, 0.2924, 0.4264



20.3697, 0.3150, 0.3533



37.9062, 0.3086, 0.5931



3.7374, 0.3160, 0.5873

Inverse Universe

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



44.5821, 0.2965, 0.2169



37.8953, 0.2921, 0.1960



47.2992, 0.3431, 0.2488



18.0773, 0.3101, 0.3053



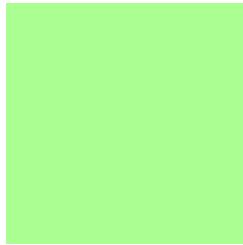
9.9990, 0.2631, 0.1223



1.0224, 0.2700, 0.1261

Previews

White Background



This preview shows how the Yxy color 82.2532, 0.3208, 0.4569 looks on a white background.

Color Contrast Check

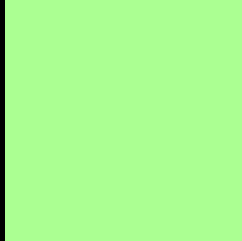
Large Text (above 18pt) WCAG AA × Fail

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 82.2532, 0.3208, 0.4569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

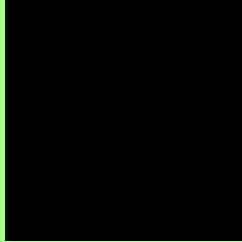
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

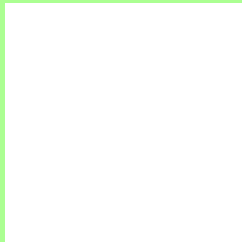
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2532, 0.3208, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 82.2532, 0.3208, 0.4569.

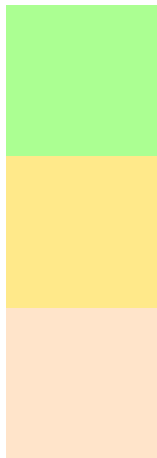


This preview shows how white text looks on a background with the Yxy color 82.2532, 0.3208, 0.4569.

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

82.2532, 0.3208, 0.4569

Protanopia

81.3728, 0.3902, 0.4235

Deuteranopia

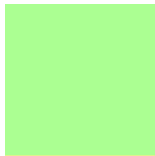
81.0111, 0.3494, 0.3554



Tritanopia

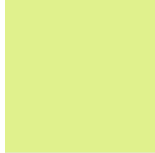
81.9577, 0.2800, 0.3130

Trichromacy



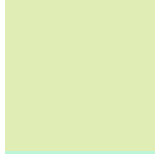
Original Color

82.2532, 0.3208, 0.4569



Protanomaly

80.6810, 0.3623, 0.4363



Deuteranomaly

80.3738, 0.3383, 0.3897



Tritanomaly

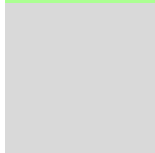
81.1583, 0.2956, 0.3627

Monochromacy



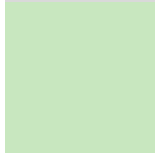
Original Color

82.2532, 0.3208, 0.4569



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1928, 0.3167, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2532, 0.3208, 0.4569 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(171, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 146)  
}
```

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(171, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 146) }
```

Border

The CSS property to change the border of an element to Yxy 82.2532, 0.3208, 0.4569 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(171, 255, 146) }
```

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

```
.border{ border-color:rgb(171, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2532, 0.3208, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 146) }
```

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

```
.background{ background-color: rgb(171,  
255, 146) }
```

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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