

Converting Colors

$Yxy(82.1010, 0.3232, 0.4626)$

Have a look what the booklet for
Yxy(82.1010, 0.3232, 0.4626)
contains.

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Color

Yxy(82.1010, 0.3232, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF8D
RGB	171, 255, 141
RGB Percent	67%, 100%, 55%
CMY	0.3294, 0.0000, 0.4471
CMYK	0.33, 0.00, 0.45, 0.00
HSL	104°, 100%, 78%
HSV	104°, 45%, 100%
XYZ	57.3607, 82.1010, 38.0156
YIQ	216.8880, -13.4700, -53.2620

Conversions

Conversions Part 2

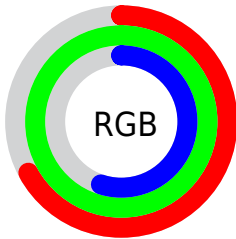
Format	Color
RYB	141, 255, 225
Decimal	11272077
CIELab	92.62, -45.65, 46.44
CIElCh	93, 65.125, 134.508
Yxy	82.1010, 0.3232, 0.4626
Android (android.graphics.Color)	4289462157 (0xFFABFF8D)
YUV	216.8880, -37.4128, -40.2438
Hunter-Lab	90.6096, -45.5669, 38.5514

Details

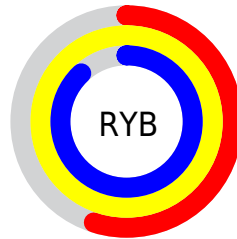
The Yxy color **82.1010, 0.3232, 0.4626** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **42.2704, 0.2923, 0.2108**, and the grayscale version is **69.5729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1635, 0.3305, 0.3904**, and **44.7376, 0.3221, 0.4965** is the 20% darker color. If you saturate the color by 10%, you get **79.4647, 0.3236, 0.4957**, and if you desaturate by 10%, it is **85.2104, 0.3218, 0.4293**.

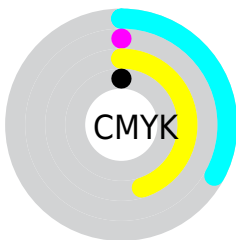
Distribution



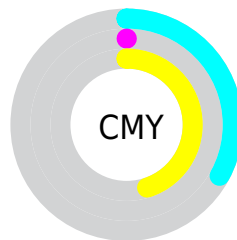
- Red (67%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (88%)



- Cyan (33%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1010, 0.3232, 0.4626 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 82.1010, 0.3232, 0.4626 by changing the saturation by 10% instead.

 82.1010, 0.3232,
0.4626


 82.1010, 0.3232,
0.4626


501.9855, 0.3213,
0.3985

 61.4488, 0.3228,
0.4775


 136.3156, 0.3232,
0.4401

 44.5875, 0.3218,
0.4960


 170.6468, 0.3230,
0.4314

 31.1326, 0.3199,
0.5195


210.3065, 0.3228,
0.4239

 20.6998, 0.3160,
0.5498

255.6790, 0.3225,
0.4175

 12.9048, 0.3085,
0.5901

307.1488, 0.3222,
0.4118

 7.3630, 0.2938,
0.6461


365.1002, 0.3219,


 3.6901, 0.2665,


0.4068


0.7335

429.9176, 0.3216,
0.4024


 1.5018, 0.1244,
0.8756


 0.2900, 0.0000,
1.0000


 82.1010, 0.3232,
0.4626


 82.1010, 0.3232,
0.4626


 79.4647, 0.3236,
0.4957

 85.2104, 0.3218,
0.4293


 77.2789, 0.3227,
0.5267

 88.8181, 0.3197,
0.3974

 75.5159, 0.3205,
0.5535

 92.9444, 0.3170,
0.3677

 74.1449, 0.3169,
0.5741

 97.6095, 0.3141,
0.3407

■ 73.1306, 0.3125,
0.5874

100.0000, 0.3127,
0.3290

■ 72.7178, 0.3100,
0.5920

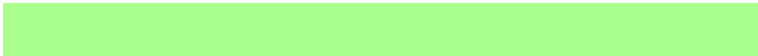
Harmonies

Analogous

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



82.1010, 0.3934, 0.4603



82.1010, 0.3232, 0.4626



82.1010, 0.2540, 0.4115

Triad

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



82.1010, 0.3232, 0.4626



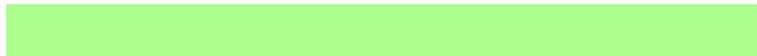
82.1010, 0.1911, 0.2252



82.1010, 0.4316, 0.3109

Complementary

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



82.1010, 0.3232, 0.4626



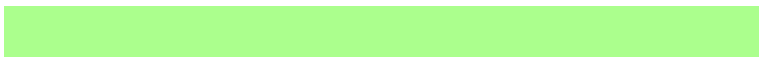
42.2704, 0.2923, 0.2108

Split Complementary

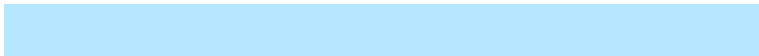
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1010, 0.3641, 0.2626



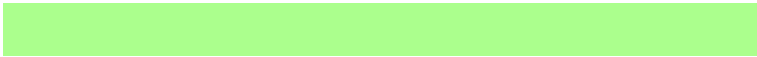
82.1010, 0.3232, 0.4626



82.1010, 0.2263, 0.2149

Square

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



82.1010, 0.3232, 0.4626



82.1010, 0.1833, 0.2639



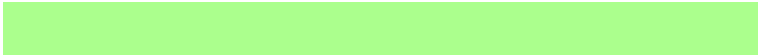
82.1010, 0.2873, 0.2287



82.1010, 0.4618, 0.3659

Rectangle

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



82.1010, 0.3232, 0.4626



82.1010, 0.2179, 0.3587



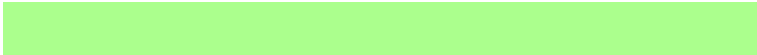
82.1010, 0.2873, 0.2287



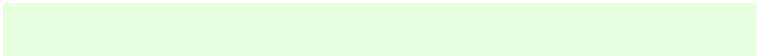
82.1010, 0.4121, 0.2937

Sweetspot

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



82.1003, 0.3232, 0.4626



93.7044, 0.3166, 0.3629



76.8147, 0.3920, 0.4133



19.8475, 0.3172, 0.3691



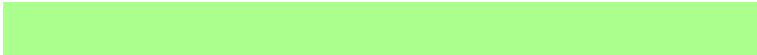
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

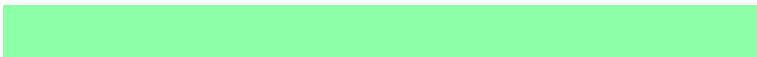
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1003, 0.3232, 0.4626



79.6372, 0.3236, 0.4934



79.9931, 0.2935, 0.4366



20.3993, 0.3155, 0.3533



38.0576, 0.3110, 0.5913



3.7558, 0.3188, 0.5851

Inverse Universe

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



42.2704, 0.2923, 0.2108



35.0342, 0.2863, 0.1872



45.9285, 0.3414, 0.2419



18.0457, 0.3096, 0.3053



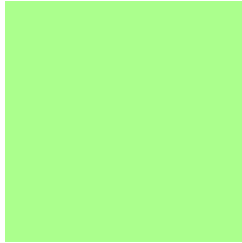
9.4270, 0.2550, 0.1178



0.9709, 0.2628, 0.1221

Previews

White Background



This preview shows how the Yxy color 82.1010, 0.3232, 0.4626 looks on a white background.

Color Contrast Check

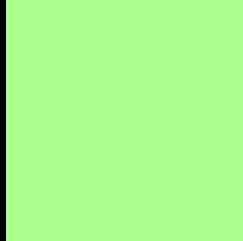
Large Text (above 18pt) WCAG AA × Fail

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 82.1010, 0.3232, 0.4626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

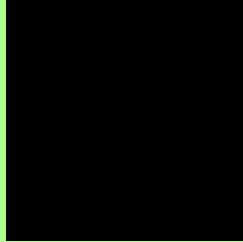
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

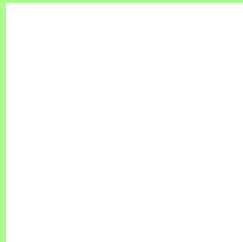
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1010, 0.3232, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 82.1010, 0.3232, 0.4626.

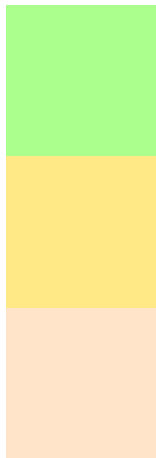


This preview shows how white text looks on a background with the Yxy color 82.1010, 0.3232, 0.4626.

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

82.1010, 0.3232, 0.4626

Protanopia

81.2871, 0.3920, 0.4262

Deuteranopia

80.9639, 0.3501, 0.3564



Tritanopia

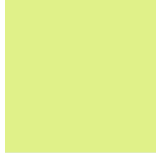
81.9577, 0.2800, 0.3130

Trichromacy



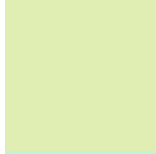
Original Color

82.1010, 0.3232, 0.4626



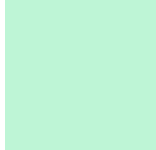
Protanomaly

80.5640, 0.3646, 0.4403



Deuteranomaly

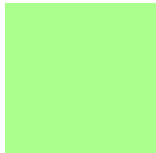
80.2510, 0.3401, 0.3930



Tritanomaly

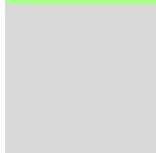
81.1070, 0.2962, 0.3638

Monochromacy



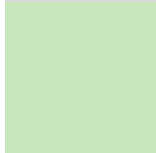
Original Color

82.1010, 0.3232, 0.4626



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1053, 0.3179, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1010, 0.3232, 0.4626 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 141) }
```

Border

The CSS property to change the border of an element to Yxy 82.1010, 0.3232, 0.4626 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, 141) }
```

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

```
.border{ border-color:rgb(171, 255, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1010, 0.3232, 0.4626 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, 141) }
```

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

```
.background{ background-color: rgb(171,  
255, 141) }
```

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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