

Converting Colors

Yxy(82.6122, 0.3153, 0.4441)

Have a look what the booklet for
Yxy(82.6122, 0.3153, 0.4441)
contains.

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Color

Yxy(82.6122, 0.3153, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF9D
RGB	171, 255, 157
RGB Percent	67%, 100%, 62%
CMY	0.3291, 0.0000, 0.3843
CMYK	0.33, 0.00, 0.38, 0.00
HSL	111°, 100%, 81%
HSV	111°, 38%, 100%
XYZ	58.6526, 82.6122, 44.7568
YIQ	218.7120, -18.6060, -48.2860

Conversions

Conversions Part 2

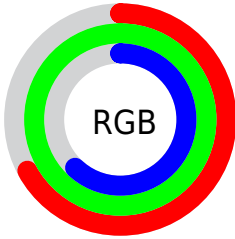
Format	Color
RYB	157, 255, 241
Decimal	11272093
CIELab	92.84, -43.47, 38.96
CIELCh	93, 58.374, 138.137
Yxy	82.6122, 0.3153, 0.4441
Android (android.graphics.Color)	4289462173 (0xFFABFF9D)
YUV	218.7120, -30.4240, -41.8434
Hunter-Lab	90.8913, -43.8727, 34.4282

Details

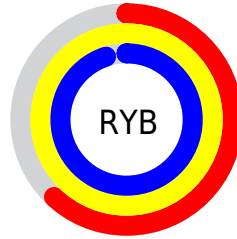
The Yxy color **82.6122, 0.3153, 0.4441** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.0261, 0.3056, 0.2304**, and the grayscale version is **70.8656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9315, 0.3212, 0.3734**, and **45.0325, 0.3132, 0.4739** is the 20% darker color. If you saturate the color by 10%, you get **79.5790, 0.3149, 0.4789**, and if you desaturate by 10%, it is **86.2394, 0.3151, 0.4104**.

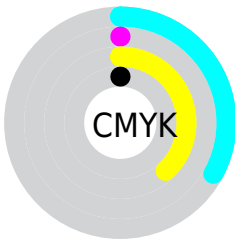
Distribution



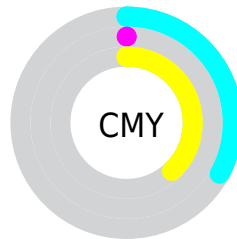
- Red (67%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (95%)



- Cyan (33%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6122, 0.3153, 0.4441 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 82.6122, 0.3153, 0.4441 by changing the saturation by 10% instead.


 82.6122, 0.3153,
0.4441

 82.6122, 0.3153,
0.4441

503.6932, 0.3162,
0.3889

 61.8703, 0.3145,
0.4570


 137.0322, 0.3161,
0.4247

 44.9279, 0.3133,
0.4731


 171.4790, 0.3162,
0.4172

 31.4006, 0.3112,
0.4936


211.2630, 0.3163,
0.4108

 20.9041, 0.3076,
0.5205

256.7685, 0.3163,
0.4052

 13.0539, 0.3012,
0.5570

308.3798, 0.3163,
0.4004

 7.4657, 0.2889,
0.6083


366.4815, 0.3163,


 3.7550, 0.2767,


0.3961


0.7175

431.4578, 0.3163,
0.3923


 1.5375, 0.1588,
0.8412


 0.3149, 0.0000,
1.0000

 82.6122, 0.3153,
0.4441


 82.6122, 0.3153,
0.4441


 79.5790, 0.3149,
0.4789


 86.2394, 0.3151,
0.4104

 77.0980, 0.3138,
0.5129

 90.4791, 0.3145,
0.3790

 75.1386, 0.3120,
0.5438

 95.3617, 0.3136,
0.3505

 73.6625, 0.3096,
0.5690

99.9949, 0.3127,
0.3290

■ 72.6262, 0.3066,
0.5866

■ 71.9755, 0.3037,
0.5963

■ 71.9007, 0.3033,
0.5974

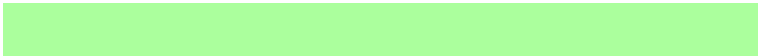
Harmonies

Analogous

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



82.6122, 0.3795, 0.4495



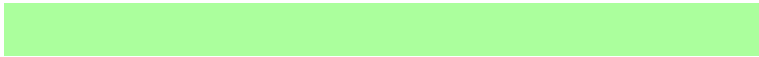
82.6122, 0.3153, 0.4441



82.6122, 0.2538, 0.3942

Triad

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



82.6122, 0.3153, 0.4441



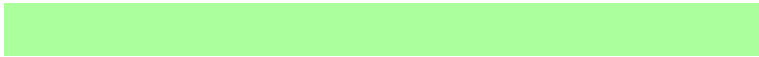
82.6122, 0.2047, 0.2328



82.6122, 0.4245, 0.3194

Complementary

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



82.6122, 0.3153, 0.4441



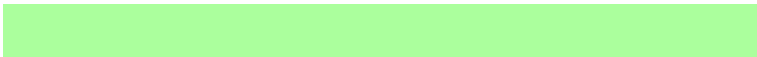
50.0261, 0.3056, 0.2304

Split Complementary

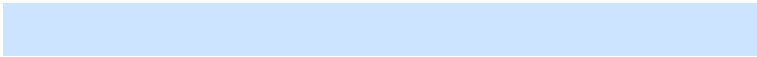
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6122, 0.3673, 0.2737



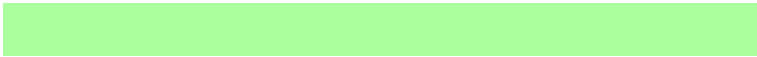
82.6122, 0.3153, 0.4441



82.6122, 0.2403, 0.2256

Square

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



82.6122, 0.3153, 0.4441



82.6122, 0.1945, 0.2654



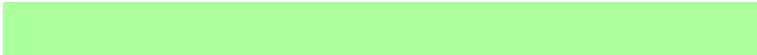
82.6122, 0.2983, 0.2405



82.6122, 0.4470, 0.3702

Rectangle

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



82.6122, 0.3153, 0.4441



82.6122, 0.2225, 0.3472



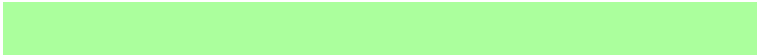
82.6122, 0.2983, 0.2405



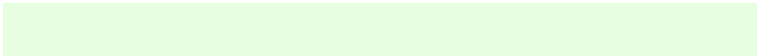
82.6122, 0.4083, 0.3032

Sweetspot

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



82.6157, 0.3153, 0.4441



93.5473, 0.3140, 0.3603



86.1872, 0.3757, 0.4121



19.8850, 0.3141, 0.3640



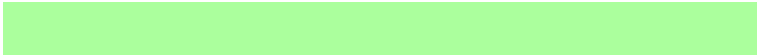
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

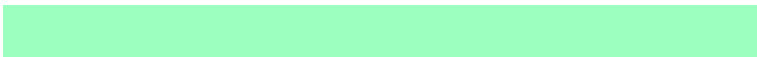
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6157, 0.3153, 0.4441



80.2688, 0.3151, 0.4705



82.4592, 0.2900, 0.4046



20.2931, 0.3137, 0.3534



37.6099, 0.3039, 0.5969



3.6977, 0.3097, 0.5923

Inverse Universe

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



50.0261, 0.3056, 0.2304



43.5170, 0.3035, 0.2116



50.5809, 0.3465, 0.2643



18.1605, 0.3115, 0.3054



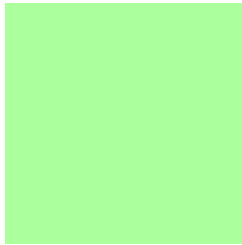
11.6443, 0.2848, 0.1343



1.1683, 0.2892, 0.1367

Previews

White Background



This preview shows how the Yxy color 82.6122, 0.3153, 0.4441 looks on a white background.

Color Contrast Check

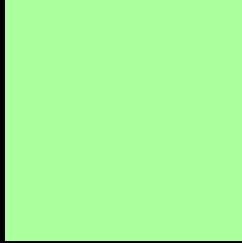
Large Text (above 18pt) WCAG AA × Fail

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 82.6122, 0.3153, 0.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

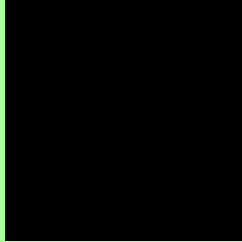
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

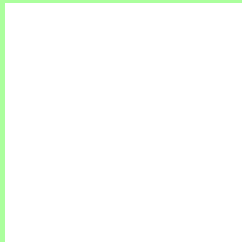
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6122, 0.3153, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 82.6122, 0.3153, 0.4441.

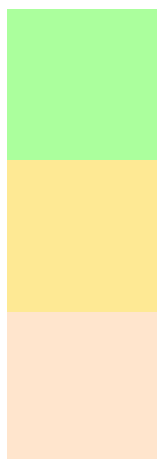


This preview shows how white text looks on a background with the Yxy color 82.6122, 0.3153, 0.4441.

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

82.6122, 0.3153, 0.4441

Protanopia

81.4868, 0.3833, 0.4144

Deuteranopia

81.7064, 0.3471, 0.3533



Tritanopia

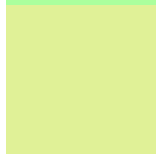
82.0967, 0.2805, 0.3131

Trichromacy



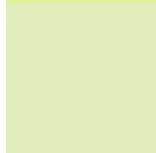
Original Color

82.6122, 0.3153, 0.4441



Protanomaly

80.9923, 0.3565, 0.4260



Deuteranomaly

80.6272, 0.3345, 0.3831



Tritanomaly

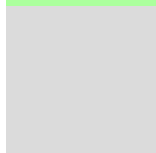
81.4957, 0.2940, 0.3580

Monochromacy



Original Color

82.6122, 0.3153, 0.4441



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2553, 0.3148, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6122, 0.3153, 0.4441 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 82.6122, 0.3153, 0.4441 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, 157) }
```

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

```
.border{ border-color:rgb(171, 255, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6122, 0.3153, 0.4441 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, 157) }
```

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

```
.background{ background-color: rgb(171,  
255, 157) }
```

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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