

Converting Colors

$Y_{xy}(121.3013, 0.3187, 0.5047)$

Have a look what the booklet for
Yxy(121.3013, 0.3187, 0.5047)
contains.

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Color

Yxy(81.9272, 0.3261, 0.4693)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF87
RGB	171, 255, 135
RGB Percent	67%, 100%, 53%
CMY	0.3293, 0.0000, 0.4708
CMYK	0.33, 0.00, 0.47, 0.00
HSL	102°, 100%, 76%
HSV	102°, 47%, 100%
XYZ	56.9283, 81.9272, 35.7177
YIQ	216.2040, -11.5440, -55.1280

Conversions

Conversions Part 2

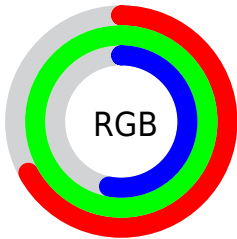
Format	Color
RYB	135, 255, 219
Decimal	11272071
CIELab	92.54, -46.39, 49.21
CIElCh	93, 67.626, 133.309
Yxy	81.9272, 0.3261, 0.4693
Android (android.graphics.Color)	4289462151 (0xFFABFF87)
YUV	216.2040, -40.0336, -39.6439
Hunter-Lab	90.5136, -46.1318, 39.9631

Details

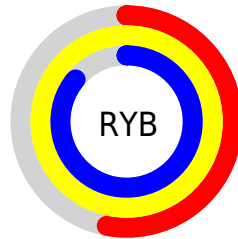
The Yxy color **81.9272, 0.3261, 0.4693** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.5863, 0.2870, 0.2032**, and the grayscale version is **69.1001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8957, 0.3340, 0.3967**, and **44.5748, 0.3245, 0.5048** is the 20% darker color. If you saturate the color by 10%, you get **79.4239, 0.3266, 0.5016**, and if you desaturate by 10%, it is **84.8749, 0.3244, 0.4364**.

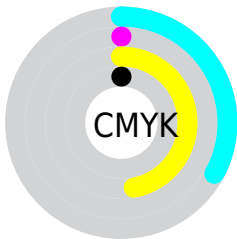
Distribution



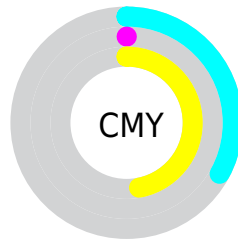
- Red (67%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (86%)



- Cyan (33%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9272, 0.3261, 0.4693 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 81.9272, 0.3261, 0.4693 by changing the saturation by 10% instead.


 81.9272, 0.3261,
0.4693

 81.9272, 0.3261,
0.4693


501.4041, 0.3233,
0.4020


 61.3055, 0.3258,
0.4849


 136.0719, 0.3259,
0.4457

 44.4718, 0.3249,
0.5042

 170.3637, 0.3255,
0.4365

 31.0416, 0.3229,
0.5286


 209.9811, 0.3252,
0.4287

 20.6305, 0.3188,
0.5600

255.3083, 0.3248,
0.4219

 12.8542, 0.3107,
0.6012

306.7298, 0.3244,
0.4160

 7.3282, 0.2960,
0.6605


364.6301, 0.3240,


 3.6682, 0.2625,


0.4108


0.7375


429.3934, 0.3236,
0.4061


 1.4897, 0.1117,
0.8883


 0.2815, 0.0000,
1.0000

 81.9272, 0.3261,
0.4693


 81.9272, 0.3261,
0.4693


 79.4239, 0.3266,
0.5016


 84.8749, 0.3244,
0.4364

 77.3387, 0.3257,
0.5313

 88.2854, 0.3219,
0.4044

 75.6469, 0.3232,
0.5565

 92.1795, 0.3187,
0.3743

 74.3197, 0.3193,
0.5753

 96.5760, 0.3153,
0.3468

■ 73.3223, 0.3144,
0.5871

100.0000, 0.3127,
0.3290

■ 73.0815, 0.3130,
0.5897

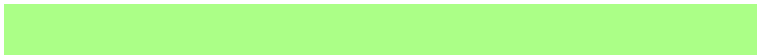
Harmonies

Analogous

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



81.9272, 0.3984, 0.4639



81.9272, 0.3261, 0.4693



81.9272, 0.2541, 0.4181

Triad

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



81.9272, 0.3261, 0.4693



81.9272, 0.1863, 0.2226



81.9272, 0.4341, 0.3077

Complementary

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



81.9272, 0.3261, 0.4693



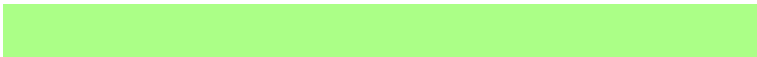
39.5863, 0.2870, 0.2032

Split Complementary

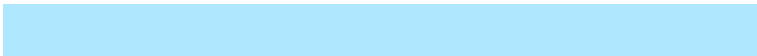
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9272, 0.3627, 0.2586



81.9272, 0.3261, 0.4693



81.9272, 0.2213, 0.2111

Square

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



81.9272, 0.3261, 0.4693



81.9272, 0.1794, 0.2634



81.9272, 0.2833, 0.2244



81.9272, 0.4672, 0.3641

Rectangle

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



81.9272, 0.3261, 0.4693



81.9272, 0.2162, 0.3631



81.9272, 0.2833, 0.2244



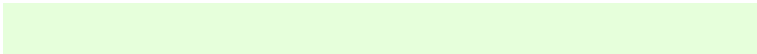
81.9272, 0.4132, 0.2902

Sweetspot

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



81.9282, 0.3261, 0.4693



93.4774, 0.3177, 0.3656



72.6267, 0.3995, 0.4120



19.8121, 0.3184, 0.3717



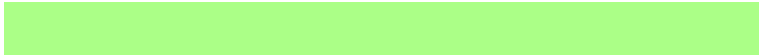
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

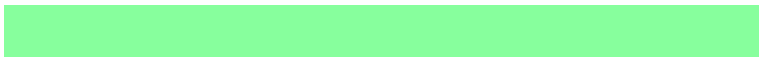
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9282, 0.3261, 0.4693



79.6727, 0.3266, 0.4982



79.1005, 0.2956, 0.4511



20.4326, 0.3161, 0.3533



38.2540, 0.3140, 0.5889



3.7786, 0.3222, 0.5823

Inverse Universe

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



39.5863, 0.2870, 0.2032



32.8645, 0.2802, 0.1804



44.4587, 0.3377, 0.2324



18.0104, 0.3090, 0.3052



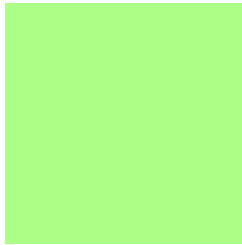
8.8241, 0.2460, 0.1129



0.9161, 0.2547, 0.1177

Previews

White Background



This preview shows how the Yxy color 81.9272, 0.3261, 0.4693 looks on a white background.

Color Contrast Check

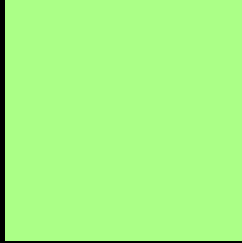
Large Text (above 18pt) WCAG AA × Fail

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 81.9272, 0.3261, 0.4693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

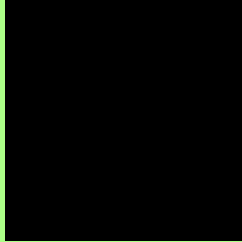
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

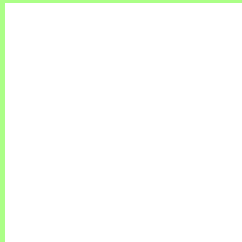
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9272, 0.3261, 0.4693

Background



This preview shows how black text looks on a background with the Yxy color 81.9272, 0.3261, 0.4693.

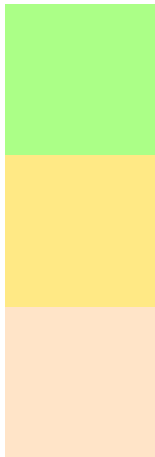


This preview shows how white text looks on a background with the Yxy color 81.9272, 0.3261, 0.4693.

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

81.9272, 0.3261, 0.4693

Protanopia

81.2313, 0.3932, 0.4280

Deuteranopia

80.9169, 0.3507, 0.3574



Tritanopia

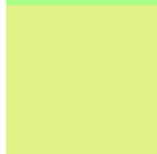
81.2324, 0.2793, 0.3119

Trichromacy



Original Color

81.9272, 0.3261, 0.4693



Protanomaly

80.4791, 0.3663, 0.4433



Deuteranomaly

80.1310, 0.3420, 0.3963



Tritanomaly

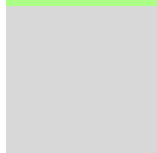
80.8268, 0.2972, 0.3674

Monochromacy



Original Color

81.9272, 0.3261, 0.4693



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.4608, 0.3193, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9272, 0.3261, 0.4693 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 81.9272, 0.3261, 0.4693 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, 135) }
```

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

```
.border{ border-color:rgb(171, 255, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9272, 0.3261, 0.4693 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, 135) }
```

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

```
.background{ background-color: rgb(171,  
255, 135) }
```

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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