

Converting Colors

$Yxy(81.7234, 0.3060, 0.4384)$

Have a look what the booklet for
Yxy(81.7234, 0.3060, 0.4384)
contains.

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Color

Yxy(81.7414, 0.3064, 0.4389)

Conversions

Conversions Part 1

Format	Color
Hex	A1FFA3
RGB	161, 255, 163
RGB Percent	63%, 100%, 64%
CMY	0.3688, 0.0000, 0.3606
CMYK	0.37, 0.00, 0.36, 0.00
HSL	121°, 100%, 82%
HSV	121°, 37%, 100%
XYZ	57.0644, 81.7414, 47.4357
YIQ	216.4060, -26.4920, -48.5400

Conversions

Conversions Part 2

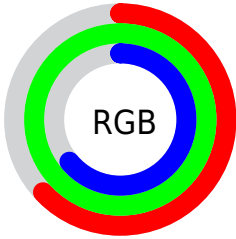
Format	Color
RYB	161, 253, 255
Decimal	10616739
CIELab	92.46, -45.70, 35.39
CIElCh	92, 57.795, 142.248
Yxy	81.7414, 0.3064, 0.4389
Android (android.graphics.Color)	4288806819 (0xFFA1FFA3)
YUV	216.4060, -26.3292, -48.5911
Hunter-Lab	90.4110, -45.5559, 32.1801

Details

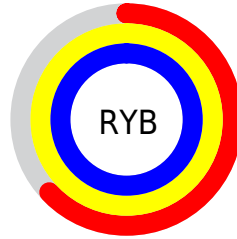
The Yxy color **81.7414, 0.3064, 0.4389** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.8212, 0.3187, 0.2392**, and the grayscale version is **69.1501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6945, 0.3109, 0.3667**, and **44.5172, 0.3030, 0.4677** is the 20% darker color. If you saturate the color by 10%, you get **78.5467, 0.3046, 0.4745**, and if you desaturate by 10%, it is **85.6459, 0.3083, 0.4050**.

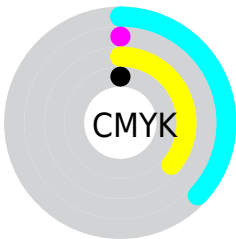
Distribution



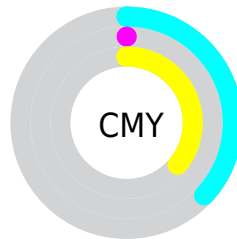
- Red (63%)
- Green (100%)
- Blue (64%)



- Red (63%)
- Yellow (99%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7414, 0.3064, 0.4389 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 81.7414, 0.3064, 0.4389 by changing the saturation by 10% instead.

 81.7414, 0.3064,
0.4389


 81.7414, 0.3064,
0.4389


500.7823, 0.3111,
0.3860

 61.1524, 0.3048,
0.4514


 135.8113, 0.3084,
0.4202

 44.3482, 0.3027,
0.4670


 170.0610, 0.3091,
0.4130

 30.9443, 0.2995,
0.4870


209.6330, 0.3096,
0.4069

 20.5565, 0.2946,
0.5135

254.9118, 0.3101,
0.4015

 12.8002, 0.2867,
0.5497

306.2817, 0.3104,
0.3969

 7.2911, 0.2727,
0.6018


364.1272, 0.3107,


 3.6448, 0.2534,

0.3928

0.7016

428.8326, 0.3109,
0.3892


 1.4769, 0.1169,
0.8831


 0.2724, 0.0000,
1.0000


 81.7414, 0.3064,
0.4389


 81.7414, 0.3064,
0.4389


 78.5467, 0.3046,
0.4745


 85.6459, 0.3083,
0.4050

 76.0281, 0.3028,
0.5097

 90.3099, 0.3100,
0.3738

 74.1343, 0.3014,
0.5420

 95.7670, 0.3117,
0.3461

 72.8106, 0.3004,
0.5686

100.0000, 0.3127,
0.3290

■ 71.9931, 0.2999,
0.5873

■ 71.6015, 0.2998,
0.5974

■ 71.5324, 0.2997,
0.5991

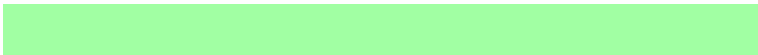
Harmonies

Analogous

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



81.7414, 0.3709, 0.4506



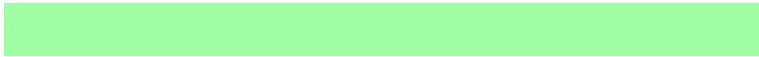
81.7414, 0.3064, 0.4389



81.7414, 0.2470, 0.3845

Triad

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



81.7414, 0.3064, 0.4389



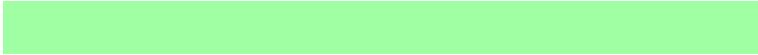
81.7414, 0.2087, 0.2309



81.7414, 0.4292, 0.3263

Complementary

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



81.7414, 0.3064, 0.4389



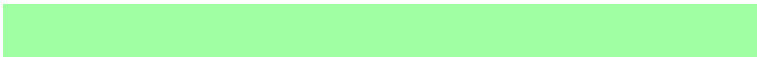
53.8212, 0.3187, 0.2392

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.



81.7414, 0.3760, 0.2797



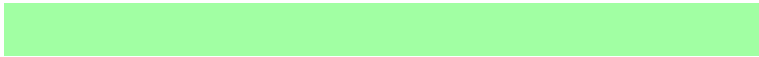
81.7414, 0.3064, 0.4389



81.7414, 0.2474, 0.2269

Square

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



81.7414, 0.3064, 0.4389



81.7414, 0.1950, 0.2598



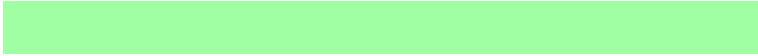
81.7414, 0.3075, 0.2446



81.7414, 0.4460, 0.3770

Rectangle

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



81.7414, 0.3064, 0.4389



81.7414, 0.2180, 0.3375



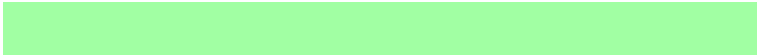
81.7414, 0.3075, 0.2446



81.7414, 0.4147, 0.3099

Sweetspot

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



81.7381, 0.3064, 0.4389



93.4204, 0.3110, 0.3571



95.0556, 0.3673, 0.4214



19.8370, 0.3108, 0.3608



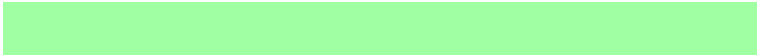
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

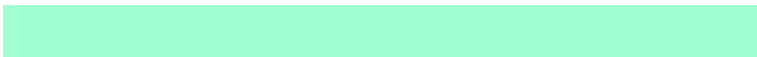
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7381, 0.3064, 0.4389



79.3948, 0.3051, 0.4641



83.7230, 0.2828, 0.3817



20.1747, 0.3113, 0.3530



37.3800, 0.2996, 0.5987



3.6417, 0.2987, 0.5955

Inverse Universe

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



53.8212, 0.3187, 0.2392



47.9062, 0.3198, 0.2231



51.2106, 0.3591, 0.2822



18.2930, 0.3142, 0.3061



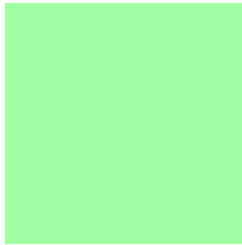
14.6976, 0.3265, 0.1572



1.4332, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 81.7414, 0.3064, 0.4389 looks on a white background.

Color Contrast Check

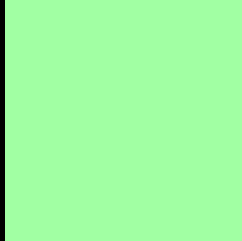
Large Text (above 18pt) WCAG AA × Fail

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 81.7414, 0.3064, 0.4389 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 81.7414, 0.3064, 0.4389

Background



This preview shows how black text looks on a background with the Yxy color 81.7414, 0.3064, 0.4389.

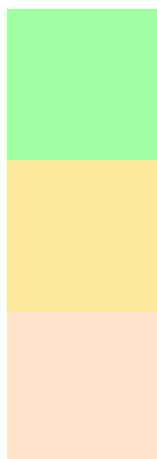


This preview shows how white text looks on a background with the Yxy color 81.7414, 0.3064, 0.4389.

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

81.7414, 0.3064, 0.4389

Protanopia

80.7418, 0.3784, 0.4082

Deuteranopia

80.5100, 0.3489, 0.3533



Tritanopia

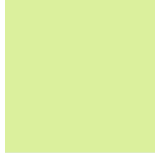
81.1423, 0.2765, 0.3129

Trichromacy



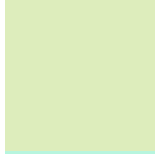
Original Color

81.7414, 0.3064, 0.4389



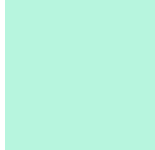
Protanomaly

79.8146, 0.3496, 0.4199



Deuteranomaly

79.5714, 0.3325, 0.3825



Tritanomaly

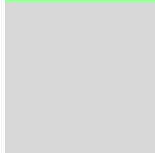
80.6460, 0.2877, 0.3549

Monochromacy



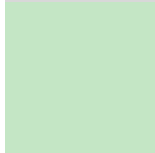
Original Color

81.7414, 0.3064, 0.4389



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3606, 0.3102, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7414, 0.3064, 0.4389 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(161, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 163)  
}
```

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(161, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 81.7414, 0.3064, 0.4389 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(161, 255, 163) }
```

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

```
.border{ border-color:rgb(161, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 255, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 255, 163); box-shadow:4px 4px 4px 4px rgb(161, 255, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7414, 0.3064, 0.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 163) }
```

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

```
.background{ background-color: rgb(161,  
255, 163) }
```

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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