

Converting Colors

$Yxy(81.5554, 0.3074, 0.4425)$

Have a look what the booklet for
Yxy(81.5554, 0.3074, 0.4425)
contains.

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Color

Yxy(81.5316, 0.3074, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFA0
RGB	160, 255, 160
RGB Percent	63%, 100%, 63%
CMY	0.3725, 0.0000, 0.3727
CMYK	0.37, 0.00, 0.37, 0.00
HSL	120°, 100%, 81%
HSV	120°, 37%, 100%
XYZ	56.6008, 81.5316, 45.9950
YIQ	215.7650, -26.1250, -49.6850

Conversions

Conversions Part 2

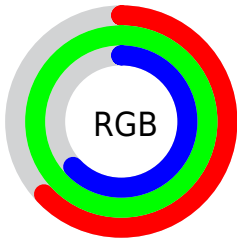
Format	Color
RYB	160, 255, 255
Decimal	10551200
CIELab	92.37, -46.44, 36.78
CIElCh	92, 59.240, 141.626
Yxy	81.5316, 0.3074, 0.4428
Android (android.graphics.Color)	4288741280 (0xFFA0FFA0)
YUV	215.7650, -27.4921, -48.9059
Hunter-Lab	90.2949, -46.1244, 33.0048

Details

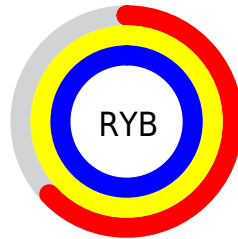
The Yxy color **81.5316, 0.3074, 0.4428** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.6021, 0.3170, 0.2365**, and the grayscale version is **68.7033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3833, 0.3120, 0.3700**, and **44.3928, 0.3040, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **78.3653, 0.3057, 0.4790**, and if you desaturate by 10%, it is **85.4187, 0.3090, 0.4080**.

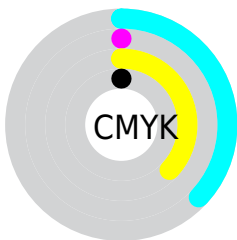
Distribution



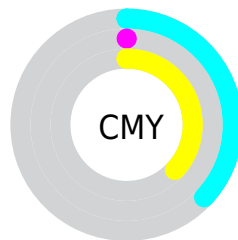
- Red (63%)
- Green (100%)
- Blue (63%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5316, 0.3074, 0.4428 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 81.5316, 0.3074, 0.4428 by changing the saturation by 10% instead.

 81.5316, 0.3074,
0.4428


 81.5316, 0.3074,
0.4428


500.0796, 0.3118,
0.3879

 60.9795, 0.3059,
0.4558


 135.5170, 0.3094,
0.4234

 44.2086, 0.3037,
0.4720


 169.7190, 0.3100,
0.4159

 30.8346, 0.3005,
0.4927


209.2398, 0.3105,
0.4096

 20.4729, 0.2955,
0.5201

254.4639, 0.3109,
0.4041

 12.7393, 0.2873,
0.5576

305.7754, 0.3112,
0.3993

 7.2493, 0.2727,
0.6111


363.5590, 0.3114,


 3.6185, 0.2547,


0.3950


0.7204


428.1989, 0.3117,
0.3913


 1.4625, 0.1028,
0.8972


 0.2621, 0.0000,
1.0000


 81.5316, 0.3074,
0.4428


 81.5316, 0.3074,
0.4428


 78.3653, 0.3057,
0.4790

 85.4187, 0.3090,
0.4080

 75.8765, 0.3040,
0.5146

 90.0682, 0.3105,
0.3760

 74.0155, 0.3025,
0.5467

 95.5175, 0.3119,
0.3475

 72.7262, 0.3013,
0.5726

100.0000, 0.3127,
0.3290

■ 71.9430, 0.3005,
0.5900

■ 71.5809, 0.3001,
0.5985

■ 71.5207, 0.3000,
0.6000

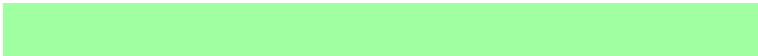
Harmonies

Analogous

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



81.5316, 0.3733, 0.4535



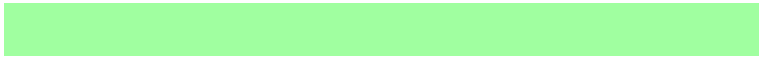
81.5316, 0.3074, 0.4428



81.5316, 0.2463, 0.3875

Triad

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



81.5316, 0.3074, 0.4428



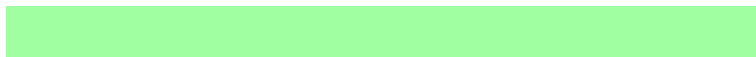
81.5316, 0.2058, 0.2290



81.5316, 0.4314, 0.3249

Complementary

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



81.5316, 0.3074, 0.4428



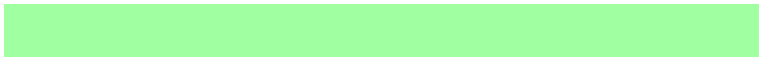
53.6021, 0.3170, 0.2365

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.



81.5316, 0.3762, 0.2776



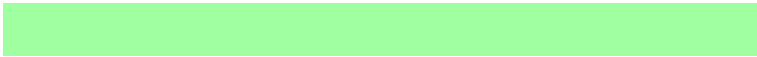
81.5316, 0.3074, 0.4428



81.5316, 0.2448, 0.2246

Square

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



81.5316, 0.3074, 0.4428



81.5316, 0.1924, 0.2589



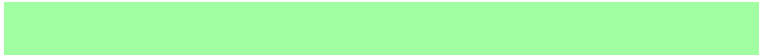
81.5316, 0.3059, 0.2421



81.5316, 0.4494, 0.3766

Rectangle

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



81.5316, 0.3074, 0.4428



81.5316, 0.2165, 0.3390



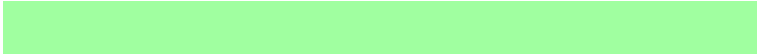
81.5316, 0.3059, 0.2421



81.5316, 0.4163, 0.3083

Sweetspot

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



81.5312, 0.3074, 0.4428



93.3880, 0.3114, 0.3577



94.3105, 0.3694, 0.4206



19.8294, 0.3112, 0.3616



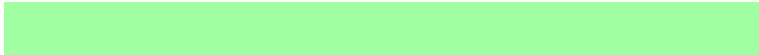
0.0000, 0.0000, 0.0000



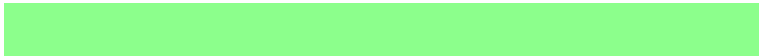
21.4041, 0.3127, 0.3290

Same Dimension

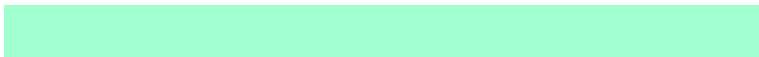
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5312, 0.3074, 0.4428



79.0224, 0.3061, 0.4708



83.4415, 0.2841, 0.3863



20.1686, 0.3116, 0.3536



37.3713, 0.3000, 0.6000



3.6388, 0.3000, 0.6000

Inverse Universe

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



53.6021, 0.3170, 0.2365



47.2999, 0.3178, 0.2189



50.9967, 0.3568, 0.2785



18.3000, 0.3138, 0.3056



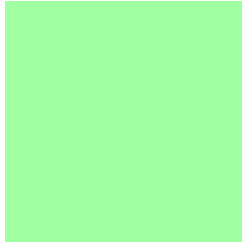
14.8707, 0.3208, 0.1541



1.4480, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 81.5316, 0.3074, 0.4428 looks on a white background.

Color Contrast Check

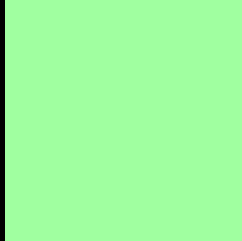
Large Text (above 18pt) WCAG AA × Fail

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 81.5316, 0.3074, 0.4428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

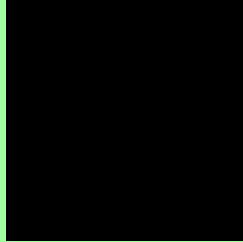
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

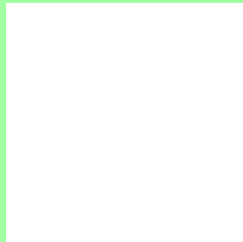
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5316, 0.3074, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 81.5316, 0.3074, 0.4428.



This preview shows how white text looks on a background with the Yxy color 81.5316, 0.3074, 0.4428.

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

81.5316, 0.3074, 0.4428

Protanopia

80.6430, 0.3803, 0.4111

Deuteranopia

80.4624, 0.3496, 0.3544



Tritanopia

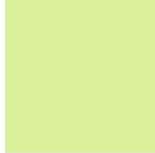
81.0095, 0.2760, 0.3128

Trichromacy



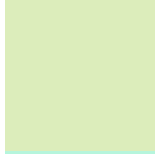
Original Color

81.5316, 0.3074, 0.4428



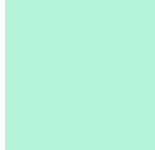
Protanomaly

79.7133, 0.3514, 0.4231



Deuteranomaly

79.3719, 0.3325, 0.3837



Tritanomaly

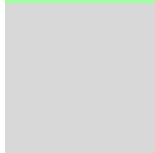
80.4172, 0.2882, 0.3573

Monochromacy



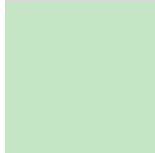
Original Color

81.5316, 0.3074, 0.4428



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3149, 0.3109, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5316, 0.3074, 0.4428 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(160, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 160)  
}
```

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(160, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 81.5316, 0.3074, 0.4428 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(160, 255, 160) }
```

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

```
.border{ border-color:rgb(160, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5316, 0.3074, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 160) }
```

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

```
.background{ background-color: rgb(160,  
255, 160) }
```

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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