

Converting Colors

Yxy(92.8536, 0.3045, 0.4507)

Have a look what the booklet for
Yxy(92.8536, 0.3045, 0.4507)
contains.

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Color

Yxy(81.8137, 0.3054, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	A1FFA5
RGB	161, 255, 165
RGB Percent	63%, 100%, 65%
CMY	0.3688, 0.0000, 0.3529
CMYK	0.37, 0.00, 0.35, 0.00
HSL	123°, 100%, 82%
HSV	123°, 37%, 100%
XYZ	57.2415, 81.8137, 48.3760
YIQ	216.6340, -27.1340, -47.9180

Conversions

Conversions Part 2

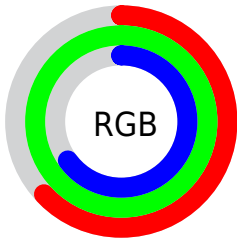
Format	Color
RYB	161, 251, 255
Decimal	10616741
CIELab	92.49, -45.40, 34.44
CIElCh	92, 56.987, 142.812
Yxy	81.8137, 0.3054, 0.4365
Android (android.graphics.Color)	4288806821 (0xFFA1FFA5)
YUV	216.6340, -25.4556, -48.7910
Hunter-Lab	90.4509, -45.3262, 31.6055

Details

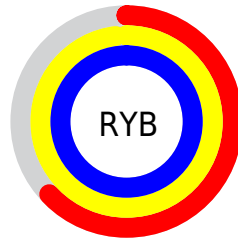
The Yxy color **81.8137, 0.3054, 0.4365** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.6908, 0.3202, 0.2409**, and the grayscale version is **69.3038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8005, 0.3098, 0.3645**, and **44.5613, 0.3018, 0.4646** is the 20% darker color. If you saturate the color by 10%, you get **78.6194, 0.3034, 0.4714**, and if you desaturate by 10%, it is **85.7066, 0.3075, 0.4033**.

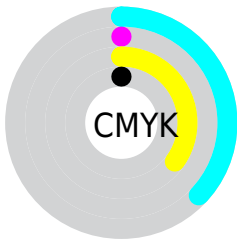
Distribution



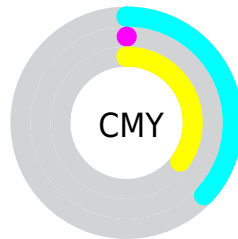
- Red (63%)
- Green (100%)
- Blue (65%)



- Red (63%)
- Yellow (98%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8137, 0.3054, 0.4365 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 81.8137, 0.3054, 0.4365 by changing the saturation by 10% instead.

 81.8137, 0.3054,
0.4365


 81.8137, 0.3054,
0.4365


501.0243, 0.3105,
0.3847

 61.2120, 0.3038,
0.4487


 135.9127, 0.3075,
0.4182

 44.3963, 0.3015,
0.4640


 170.1788, 0.3083,
0.4112

 30.9822, 0.2983,
0.4836


209.7685, 0.3088,
0.4052

 20.5853, 0.2934,
0.5094

255.0661, 0.3093,
0.4000

 12.8212, 0.2856,
0.5450

306.4561, 0.3097,
0.3954

 7.3055, 0.2718,
0.5962

364.3229, 0.3100,


 3.6539, 0.2517,


0.3915


0.6910

429.0508, 0.3103,
0.3879


 1.4819, 0.1222,
0.8778


 0.2759, 0.0000,
1.0000


 81.8137, 0.3054,
0.4365


 81.8137, 0.3054,
0.4365


 78.6194, 0.3034,
0.4714


 85.7066, 0.3075,
0.4033

 76.0974, 0.3017,
0.5062

 90.3538, 0.3095,
0.3728

 74.1949, 0.3003,
0.5384

 95.7859, 0.3115,
0.3457

 72.8584, 0.2995,
0.5654

100.0000, 0.3127,
0.3290

■ 72.0253, 0.2992,
0.5850

■ 71.6170, 0.2995,
0.5962

■ 71.5442, 0.2995,
0.5982

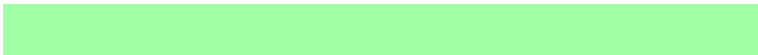
Harmonies

Analogous

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



81.8137, 0.3691, 0.4490



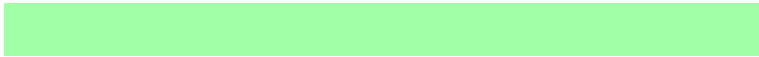
81.8137, 0.3054, 0.4365



81.8137, 0.2470, 0.3824

Triad

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



81.8137, 0.3054, 0.4365



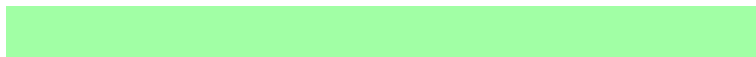
81.8137, 0.2105, 0.2319



81.8137, 0.4282, 0.3273

Complementary

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



81.8137, 0.3054, 0.4365



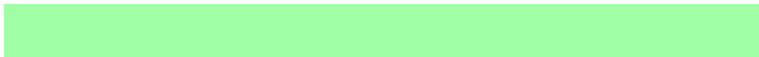
53.6908, 0.3202, 0.2409

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.



81.8137, 0.3763, 0.2812



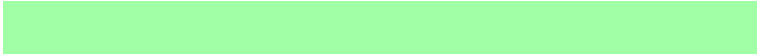
81.8137, 0.3054, 0.4365



81.8137, 0.2493, 0.2283

Square

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



81.8137, 0.3054, 0.4365



81.8137, 0.1965, 0.2601



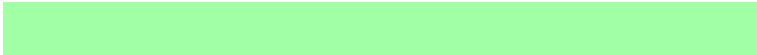
81.8137, 0.3089, 0.2461



81.8137, 0.4440, 0.3775

Rectangle

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



81.8137, 0.3054, 0.4365



81.8137, 0.2186, 0.3361



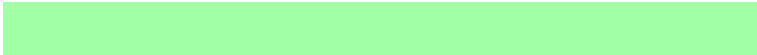
81.8137, 0.3089, 0.2461



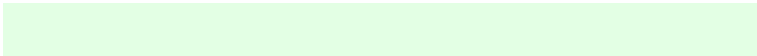
81.8137, 0.4142, 0.3112

Sweetspot

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



81.8082, 0.3054, 0.4365



93.4533, 0.3107, 0.3565



94.7614, 0.3662, 0.4217



19.8448, 0.3104, 0.3601



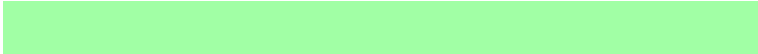
0.0000, 0.0000, 0.0000



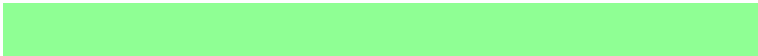
21.4041, 0.3127, 0.3290

Same Dimension

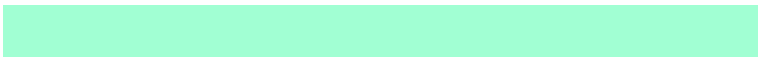
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8082, 0.3054, 0.4365



79.4689, 0.3040, 0.4612



83.7997, 0.2820, 0.3799



20.1809, 0.3110, 0.3525



37.3889, 0.2993, 0.5974



3.6447, 0.2976, 0.5912

Inverse Universe

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



53.6908, 0.3202, 0.2409



47.7563, 0.3218, 0.2250



51.1299, 0.3606, 0.2837



18.2860, 0.3145, 0.3066



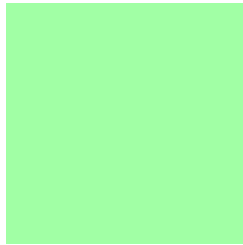
14.5268, 0.3321, 0.1603



1.4185, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 81.8137, 0.3054, 0.4365 looks on a white background.

Color Contrast Check

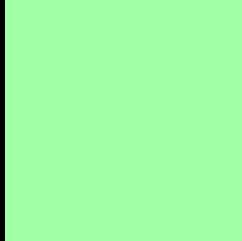
Large Text (above 18pt) WCAG AA × Fail

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 81.8137, 0.3054, 0.4365 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

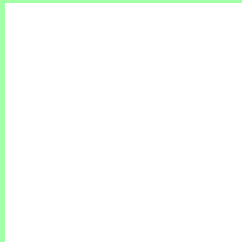
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8137, 0.3054, 0.4365

Background



This preview shows how black text looks on a background with the Yxy color 81.8137, 0.3054, 0.4365.

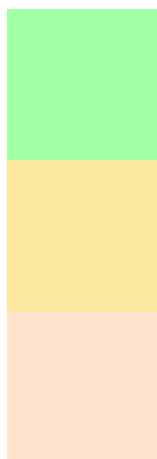


This preview shows how white text looks on a background with the Yxy color 81.8137, 0.3054, 0.4365.

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

81.8137, 0.3054, 0.4365

Protanopia

80.8090, 0.3771, 0.4063

Deuteranopia

80.5578, 0.3482, 0.3523



Tritanopia

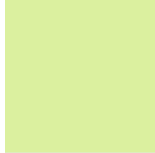
81.1423, 0.2765, 0.3129

Trichromacy



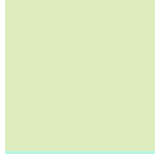
Original Color

81.8137, 0.3054, 0.4365



Protanomaly

79.8834, 0.3484, 0.4178



Deuteranomaly

79.6582, 0.3313, 0.3803



Tritanomaly

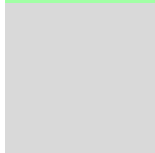
80.6460, 0.2877, 0.3549

Monochromacy



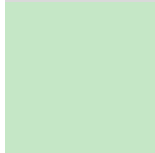
Original Color

81.8137, 0.3054, 0.4365



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0994, 0.3103, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8137, 0.3054, 0.4365 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 81.8137, 0.3054, 0.4365 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, 165) }
```

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

```
.border{ border-color:rgb(161, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 255, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 255, 165); box-shadow:4px 4px 4px 4px rgb(161, 255, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8137, 0.3054, 0.4365 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, 165) }
```

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

```
.background{ background-color: rgb(161,  
255, 165) }
```

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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