

Converting Colors

$Y_{xy}(110.4372, 0.2982, 0.4586)$

Have a look what the booklet for
Yxy(110.4372, 0.2982, 0.4586)
contains.

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Color

Yxy(81.8227, 0.2977, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFB0
RGB	157, 255, 176
RGB Percent	62%, 100%, 69%
CMY	0.3842, 0.0000, 0.3098
CMYK	0.38, 0.00, 0.31, 0.00
HSL	132°, 100%, 81%
HSV	132°, 38%, 100%
XYZ	57.5038, 81.8227, 53.8338
YIQ	216.6920, -33.0490, -45.3450

Conversions

Conversions Part 2

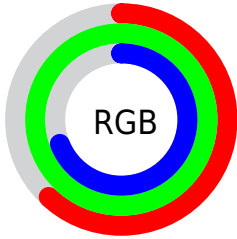
Format	Color
RYB	157, 239, 255
Decimal	10354608
CIELab	92.50, -44.77, 28.92
CIElCh	92, 53.298, 147.144
Yxy	81.8227, 0.2977, 0.4236
Android (android.graphics.Color)	4288544688 (0xFF9DFFB0)
YUV	216.6920, -20.0612, -52.3499
Hunter-Lab	90.4559, -44.8234, 28.0334

Details

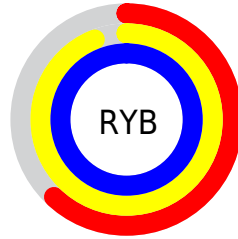
The Yxy color **81.8227, 0.2977, 0.4236** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.4396, 0.3329, 0.2502**, and the grayscale version is **69.3271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7933, 0.3013, 0.3529**, and **44.5849, 0.2927, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **78.7684, 0.2946, 0.4537**, and if you desaturate by 10%, it is **85.5400, 0.3013, 0.3953**.

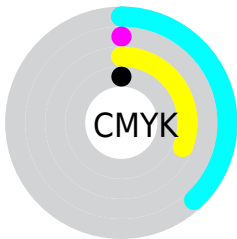
Distribution



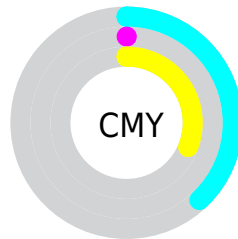
- Red (62%)
- Green (100%)
- Blue (69%)



- Red (62%)
- Yellow (94%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8227, 0.2977, 0.4236 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 81.8227, 0.2977, 0.4236 by changing the saturation by 10% instead.


 81.8227, 0.2977,
0.4236


 81.8227, 0.2977,
0.4236


501.0544, 0.3059,
0.3782

 61.2194, 0.2955,
0.4343


 135.9253, 0.3008,
0.4075

 44.4023, 0.2926,
0.4478


 170.1935, 0.3019,
0.4014

 30.9869, 0.2887,
0.4651


209.7853, 0.3029,
0.3961

 20.5889, 0.2832,
0.4880

255.0853, 0.3037,
0.3915

 12.8238, 0.2748,
0.5198

306.4778, 0.3043,
0.3876

 7.3073, 0.2612,
0.5662


364.3473, 0.3049,


 3.6550, 0.2374,

0.3840

0.6415

429.0780, 0.3054,
0.3809

 1.4825, 0.1302,
0.8698


 0.2764, 0.0000,
1.0000


 81.8227, 0.2977,
0.4236

 81.8227, 0.2977,
0.4236

 78.7684, 0.2946,
0.4537


 85.5400, 0.3013,
0.3953

 76.3313, 0.2924,
0.4844

 89.9493, 0.3053,
0.3695

 74.4703, 0.2912,
0.5143

 95.0863, 0.3093,
0.3464

 73.1365, 0.2913,
0.5415

100.0000, 0.3127,
0.3290

■ 72.2724, 0.2927,
0.5643

■ 71.7996, 0.2951,
0.5814

■ 71.7450, 0.2954,
0.5835

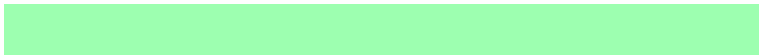
Harmonies

Analogous

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



81.8227, 0.3579, 0.4420



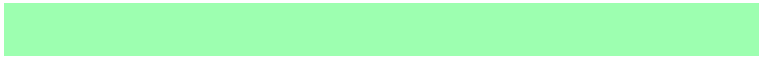
81.8227, 0.2977, 0.4236



81.8227, 0.2446, 0.3697

Triad

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



81.8227, 0.2977, 0.4236



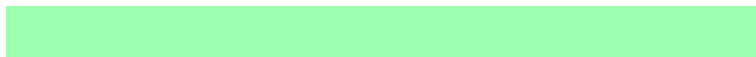
81.8227, 0.2202, 0.2357



81.8227, 0.4252, 0.3348

Complementary

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



81.8227, 0.2977, 0.4236



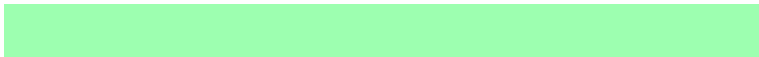
51.4396, 0.3329, 0.2502

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.



81.8227, 0.3808, 0.2899



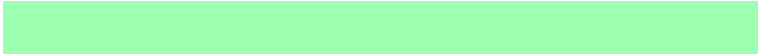
81.8227, 0.2977, 0.4236



81.8227, 0.2603, 0.2352

Square

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



81.8227, 0.2977, 0.4236



81.8227, 0.2035, 0.2592



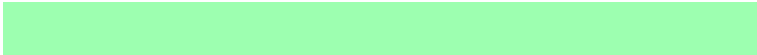
81.8227, 0.3185, 0.2547



81.8227, 0.4348, 0.3821

Rectangle

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



81.8227, 0.2977, 0.4236



81.8227, 0.2198, 0.3269



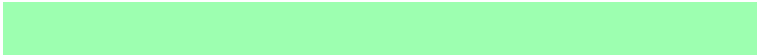
81.8227, 0.3185, 0.2547



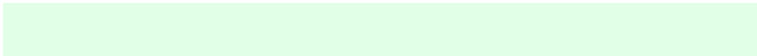
81.8227, 0.4137, 0.3192

Sweetspot

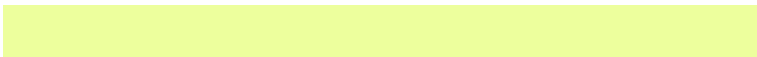
The Sweet Spot groups the original color and five complimentary colors.



81.8249, 0.2977, 0.4236



93.1628, 0.3079, 0.3543



91.9661, 0.3582, 0.4290



19.7955, 0.3074, 0.3573



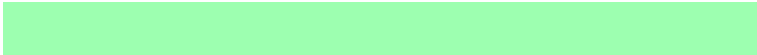
0.0000, 0.0000, 0.0000



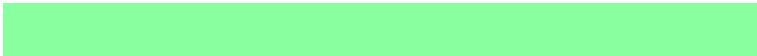
21.4041, 0.3127, 0.3290

Same Dimension

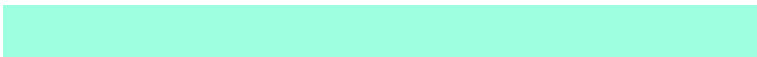
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8249, 0.2977, 0.4236



79.4503, 0.2953, 0.4463



84.0709, 0.2737, 0.3646



20.2256, 0.3089, 0.3487



37.5045, 0.2948, 0.5813



3.6661, 0.2895, 0.5622

Inverse Universe

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



51.4396, 0.3329, 0.2502



45.1934, 0.3381, 0.2355



49.0149, 0.3777, 0.2967



18.2365, 0.3168, 0.3100



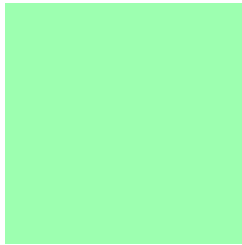
13.4491, 0.3771, 0.1851



1.3242, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 81.8227, 0.2977, 0.4236 looks on a white background.

Color Contrast Check

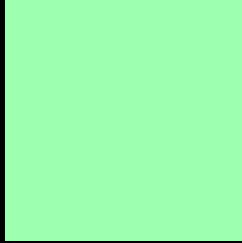
Large Text (above 18pt) WCAG AA × Fail

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 81.8227, 0.2977, 0.4236 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 81.8227, 0.2977, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 81.8227, 0.2977, 0.4236.

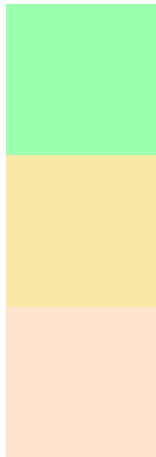


This preview shows how white text looks on a background with the Yxy color 81.8227, 0.2977, 0.4236.

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

81.8227, 0.2977, 0.4236

Protanopia

80.7904, 0.3691, 0.3967

Deuteranopia

80.6544, 0.3468, 0.3503



Tritanopia

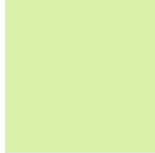
81.5999, 0.2760, 0.3139

Trichromacy



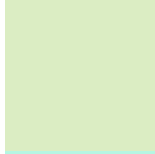
Original Color

81.8227, 0.2977, 0.4236



Protanomaly

79.8214, 0.3397, 0.4063



Deuteranomaly

79.5686, 0.3267, 0.3749



Tritanomaly

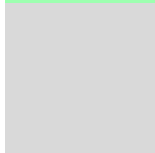
81.2263, 0.2844, 0.3514

Monochromacy



Original Color

81.8227, 0.2977, 0.4236



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0182, 0.3064, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8227, 0.2977, 0.4236 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(157, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 176)  
}
```

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(157, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 81.8227, 0.2977, 0.4236 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(157, 255, 176) }
```

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

```
.border{ border-color:rgb(157, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8227, 0.2977, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 176) }
```

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

```
.background{ background-color: rgb(157,  
255, 176) }
```

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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