

Converting Colors

$Yxy(81.4563, 0.2951, 0.4232)$

Have a look what the booklet for
Yxy(81.4563, 0.2951, 0.4232)
contains.

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Color

Yxy(81.4666, 0.2950, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	99FFB1
RGB	153, 255, 177
RGB Percent	60%, 100%, 69%
CMY	0.4002, 0.0000, 0.3057
CMYK	0.40, 0.00, 0.31, 0.00
HSL	134°, 100%, 80%
HSV	134°, 40%, 100%
XYZ	56.8282, 81.4666, 54.3432
YIQ	215.6100, -35.7540, -45.8820

Conversions

Conversions Part 2

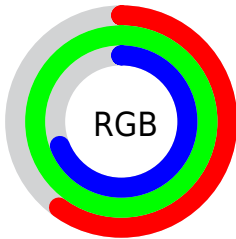
Format	Color
RYB	153, 236, 255
Decimal	10092465
CIELab	92.34, -45.76, 28.15
CIElCh	92, 53.720, 148.402
Yxy	81.4666, 0.2950, 0.4229
Android (android.graphics.Color)	4288282545 (0xFF99FFB1)
YUV	215.6100, -19.0347, -54.9090
Hunter-Lab	90.2588, -45.5670, 27.4838

Details

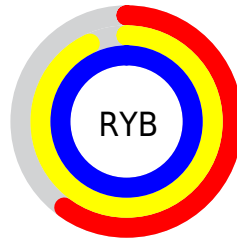
The Yxy color **81.4666, 0.2950, 0.4229** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.7904, 0.3378, 0.2509**, and the grayscale version is **68.5318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2521, 0.2983, 0.3520**, and **44.3302, 0.2892, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **78.5200, 0.2917, 0.4516**, and if you desaturate by 10%, it is **85.0474, 0.2990, 0.3958**.

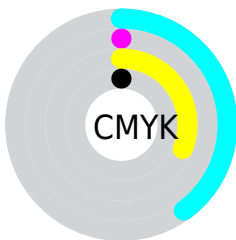
Distribution



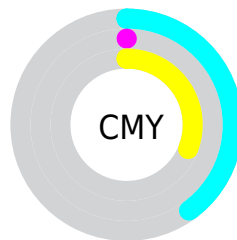
- Red (60%)
- Green (100%)
- Blue (69%)



- Red (60%)
- Yellow (93%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4666, 0.2950, 0.4229 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 81.4666, 0.2950, 0.4229 by changing the saturation by 10% instead.


 81.4666, 0.2950,
0.4229


 81.4666, 0.2950,
0.4229


499.8617, 0.3044,
0.3777

 60.9260, 0.2925,
0.4336


 135.4257, 0.2985,
0.4069

 44.1654, 0.2894,
0.4470


 169.6130, 0.2998,
0.4008

 30.8006, 0.2851,
0.4642


209.1180, 0.3009,
0.3955

 20.4470, 0.2790,
0.4871

254.3250, 0.3018,
0.3910

 12.7204, 0.2700,
0.5189

305.6185, 0.3026,
0.3871

 7.2363, 0.2555,
0.5656


363.3829, 0.3033,


 3.6103, 0.2304,


0.3836


0.6410


428.0025, 0.3039,
0.3805


 1.4581, 0.1106,
0.8894


 0.2589, 0.0000,
1.0000


 81.4666, 0.2950,
0.4229


 81.4666, 0.2950,
0.4229


 78.5200, 0.2917,
0.4516

 85.0474, 0.2990,
0.3958

 76.1790, 0.2894,
0.4810

 89.3081, 0.3035,
0.3710

 74.3972, 0.2883,
0.5098

 94.2780, 0.3081,
0.3488

 73.1256, 0.2888,
0.5362

99.9879, 0.3127,
0.3290

■ 72.3062, 0.2906,
0.5588

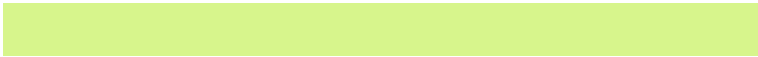
100.0000, 0.3127,
0.3290

■ 71.8483, 0.2934,
0.5763

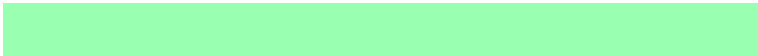
Harmonies

Analogous

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



81.4666, 0.3557, 0.4431



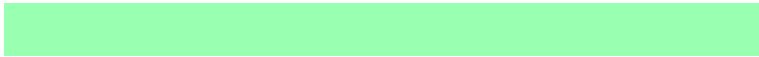
81.4666, 0.2950, 0.4229



81.4666, 0.2421, 0.3674

Triad

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



81.4666, 0.2950, 0.4229



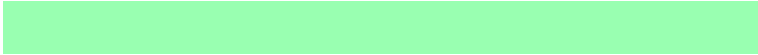
81.4666, 0.2207, 0.2345



81.4666, 0.4274, 0.3368

Complementary

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



81.4666, 0.2950, 0.4229



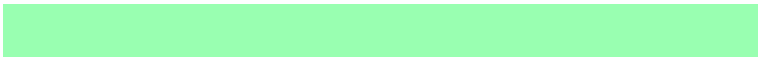
49.7904, 0.3378, 0.2509

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.



81.4666, 0.3838, 0.2913



81.4666, 0.2950, 0.4229



81.4666, 0.2620, 0.2349

Square

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



81.4666, 0.2950, 0.4229



81.4666, 0.2028, 0.2571



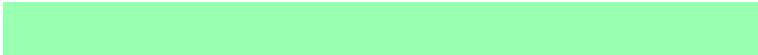
81.4666, 0.3212, 0.2553



81.4666, 0.4355, 0.3844

Rectangle

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



81.4666, 0.2950, 0.4229



81.4666, 0.2178, 0.3241



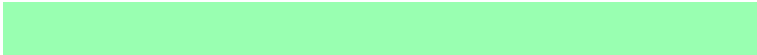
81.4666, 0.3212, 0.2553



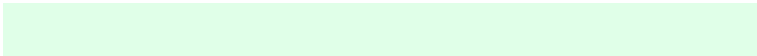
81.4666, 0.4163, 0.3210

Sweetspot

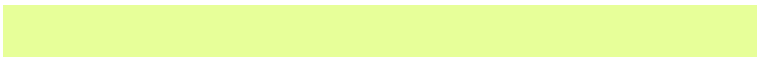
The Sweet Spot groups the original color and five complimentary colors.



81.4632, 0.2950, 0.4229



93.2361, 0.3072, 0.3530



90.8385, 0.3564, 0.4345



19.8126, 0.3065, 0.3558



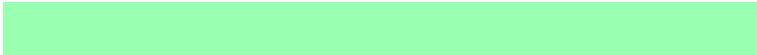
0.0000, 0.0000, 0.0000



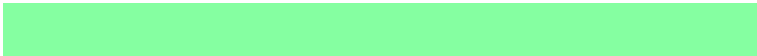
21.4041, 0.3127, 0.3290

Same Dimension

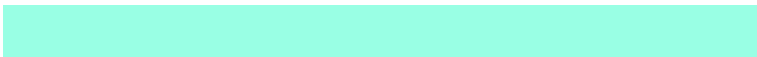
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4632, 0.2950, 0.4229



79.0647, 0.2923, 0.4457



83.8770, 0.2700, 0.3602



20.2384, 0.3083, 0.3477



37.5613, 0.2927, 0.5738



3.6733, 0.2870, 0.5531

Inverse Universe

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



49.7904, 0.3378, 0.2509



43.4226, 0.3445, 0.2362



47.3278, 0.3868, 0.3007



18.2227, 0.3174, 0.3110



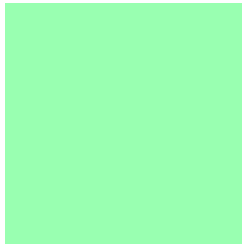
13.1874, 0.3916, 0.1931



1.3009, 0.3818, 0.1877

Previews

White Background



This preview shows how the Yxy color 81.4666, 0.2950, 0.4229 looks on a white background.

Color Contrast Check

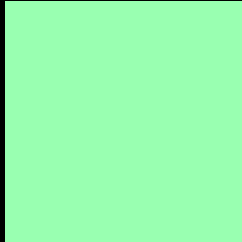
Large Text (above 18pt) WCAG AA × Fail

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 81.4666, 0.2950, 0.4229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

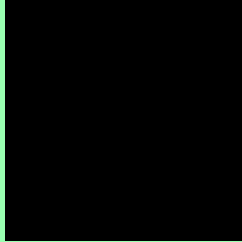
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4666, 0.2950, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 81.4666, 0.2950, 0.4229.

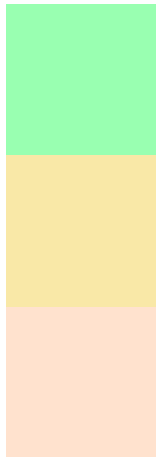


This preview shows how white text looks on a background with the Yxy color 81.4666, 0.2950, 0.4229.

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**

81.4666, 0.2950, 0.4229

Protanopia

80.6430, 0.3677, 0.3959

Deuteranopia

80.1089, 0.3470, 0.3493



Tritanopia

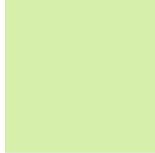
81.2070, 0.2744, 0.3139

Trichromacy



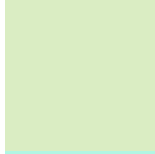
Original Color

81.4666, 0.2950, 0.4229



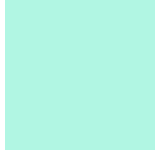
Protanomaly

79.5566, 0.3376, 0.4055



Deuteranomaly

79.4139, 0.3260, 0.3750



Tritanomaly

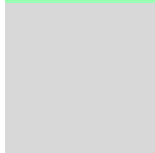
80.8047, 0.2817, 0.3504

Monochromacy



Original Color

81.4666, 0.2950, 0.4229



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.1954, 0.3051, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4666, 0.2950, 0.4229 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(153, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 177)  
}
```

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(153, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 81.4666, 0.2950, 0.4229 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(153, 255, 177) }
```

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

```
.border{ border-color:rgb(153, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4666, 0.2950, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 177) }
```

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

```
.background{ background-color: rgb(153,  
255, 177) }
```

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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