

Converting Colors

$Yxy(81.4372, 0.2823, 0.3861)$

Have a look what the booklet for
Yxy(81.4372, 0.2823, 0.3861)
contains.

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Color

Yxy(81.5788, 0.2824, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	9BFDCC
RGB	155, 253, 204
RGB Percent	61%, 99%, 80%
CMY	0.3920, 0.0078, 0.2000
CMYK	0.39, 0.00, 0.19, 0.01
HSL	150°, 96%, 80%
HSV	150°, 39%, 99%
XYZ	59.5447, 81.5788, 69.7289
YIQ	218.1120, -42.6790, -36.0150

Conversions

Conversions Part 2

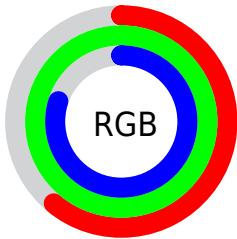
Format	Color
RYB	155, 220, 253
Decimal	10223052
CIELab	92.39, -39.36, 14.49
CIElCh	92, 41.943, 159.795
Yxy	81.5788, 0.2824, 0.3869
Android (android.graphics.Color)	4288413132 (0xFF9BFDCC)
YUV	218.1120, -6.9572, -55.3492
Hunter-Lab	90.3210, -40.3844, 17.4521

Details

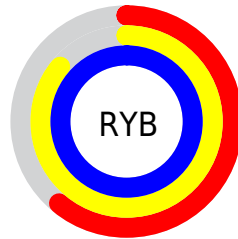
The Yxy color **81.5788, 0.2824, 0.3869** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.6964, 0.3607, 0.2782**, and the grayscale version is **70.2688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **44.3345, 0.2749, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **78.7523, 0.2765, 0.4052**, and if you desaturate by 10%, it is **84.9857, 0.2894, 0.3698**.

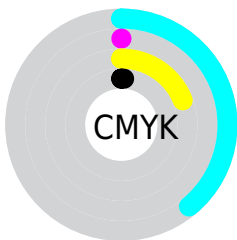
Distribution



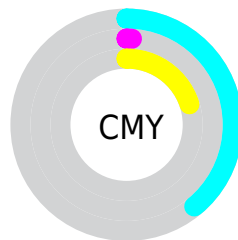
- Red (61%)
- Green (99%)
- Blue (80%)



- Red (61%)
- Yellow (86%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (39%)
- Magenta (1%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5788, 0.2824, 0.3869 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 81.5788, 0.2824, 0.3869 by changing the saturation by 10% instead.

 81.5788, 0.2824,
0.3869


 81.5788, 0.2824,
0.3869


500.2377, 0.2967,
0.3595

 61.0184, 0.2791,
0.3933

 135.5832, 0.2874,
0.3773

 44.2400, 0.2750,
0.4013


 169.7960, 0.2893,
0.3736

 30.8593, 0.2697,
0.4115


209.3283, 0.2910,
0.3704

 20.4917, 0.2628,
0.4250

254.5647, 0.2924,
0.3677

 12.7530, 0.2532,
0.4437

305.8894, 0.2937,
0.3652

 7.2587, 0.2392,
0.4713

363.6869, 0.2948,

 3.6244, 0.2169,

0.3631

428.3415, 0.2958,
0.3612

0.5155

1.4657, 0.1497,
0.6404

0.2644, 0.0000,
1.0000

81.5788, 0.2824,
0.3869

81.5788, 0.2824,
0.3869

78.7523, 0.2765,
0.4052

84.9857, 0.2894,
0.3698

76.4620, 0.2720,
0.4245

88.9943, 0.2972,
0.3542

74.6734, 0.2693,
0.4444

93.6369, 0.3054,
0.3401

73.3432, 0.2685,
0.4643

98.7068, 0.3130,
0.3275

■ 72.4205, 0.2698,
0.4836

98.7315, 0.3128,
0.3271

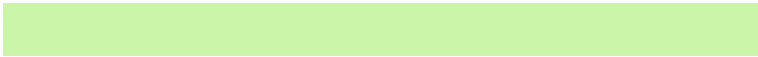
■ 71.8324, 0.2729,
0.5018

■ 71.7694, 0.2734,
0.5041

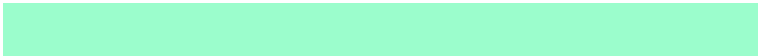
Harmonies

Analogous

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



81.5788, 0.3298, 0.4144



81.5788, 0.2824, 0.3869



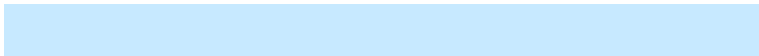
81.5788, 0.2450, 0.3403

Triad

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



81.5788, 0.2824, 0.3869



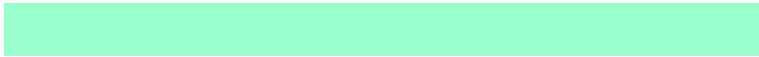
81.5788, 0.2501, 0.2514



81.5788, 0.4081, 0.3515

Complementary

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



81.5788, 0.2824, 0.3869



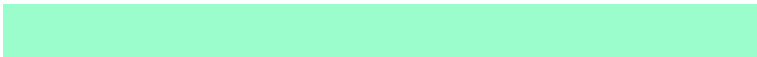
48.6964, 0.3607, 0.2782

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.



81.5788, 0.3837, 0.3130



81.5788, 0.2824, 0.3869



81.5788, 0.2898, 0.2578

Square

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



81.5788, 0.2824, 0.3869



81.5788, 0.2278, 0.2634



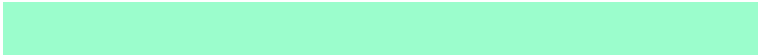
81.5788, 0.3390, 0.2798



81.5788, 0.4042, 0.3880

Rectangle

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



81.5788, 0.2824, 0.3869



81.5788, 0.2300, 0.3086



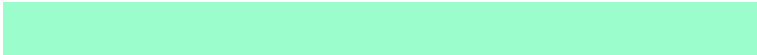
81.5788, 0.3390, 0.2798



81.5788, 0.4030, 0.3385

Sweetspot

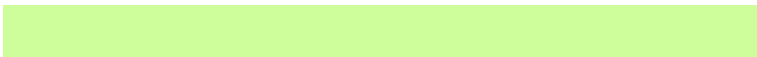
The Sweet Spot groups the original color and five complimentary colors.



81.5821, 0.2824, 0.3869



93.7043, 0.3026, 0.3446



85.6904, 0.3385, 0.4369



19.9224, 0.3016, 0.3464



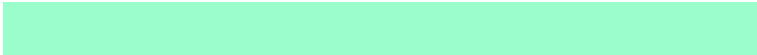
0.0000, 0.0000, 0.0000



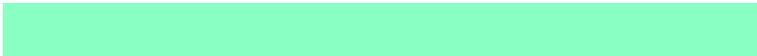
21.4041, 0.3127, 0.3290

Same Dimension

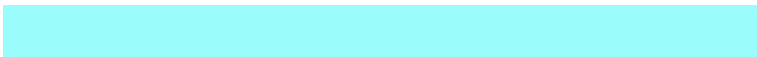
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5821, 0.2824, 0.3869



80.8980, 0.2780, 0.4002



84.2112, 0.2596, 0.3307



20.3196, 0.3047, 0.3411



38.2076, 0.2726, 0.5012



3.7422, 0.2668, 0.4804

Inverse Universe

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



48.6964, 0.3607, 0.2782



43.3537, 0.3738, 0.2688



46.7577, 0.4084, 0.3276



18.1387, 0.3215, 0.3172



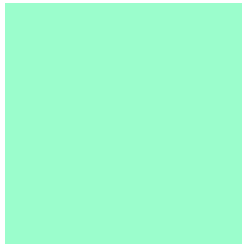
11.9472, 0.4963, 0.2508



1.1853, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 81.5788, 0.2824, 0.3869 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 81.5788, 0.2824, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

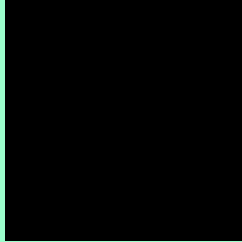
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

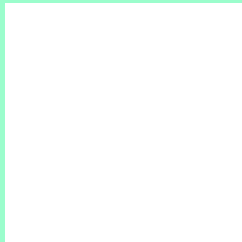
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5788, 0.2824, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 81.5788, 0.2824, 0.3869.

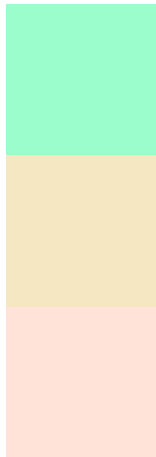


This preview shows how white text looks on a background with the Yxy color 81.5788, 0.2824, 0.3869.

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

81.5788, 0.2824, 0.3869

Protanopia

80.4146, 0.3476, 0.3685

Deuteranopia

80.6106, 0.3400, 0.3391



Tritanopia

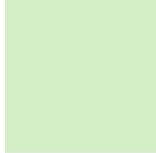
81.2070, 0.2744, 0.3139

Trichromacy



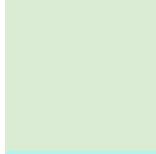
Original Color

81.5788, 0.2824, 0.3869



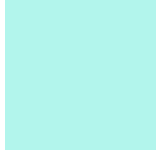
Protanomaly

79.7613, 0.3205, 0.3754



Deuteranomaly

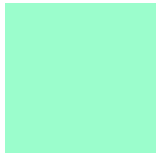
79.8044, 0.3162, 0.3549



Tritanomaly

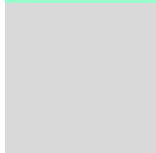
80.8259, 0.2774, 0.3390

Monochromacy



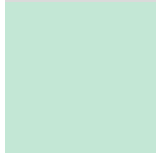
Original Color

81.5788, 0.2824, 0.3869



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.5580, 0.2998, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5788, 0.2824, 0.3869 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(155, 253, 204)` looks like.

```
.text, #text, p{  
    color:rgb(155, 253, 204)  
}
```

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(155, 253, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 253, 204) }
```

Border

The CSS property to change the border of an element to Yxy 81.5788, 0.2824, 0.3869 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(155, 253, 204) }
```

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

```
.border{ border-color:rgb(155, 253, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 253, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 253, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 253, 204);  
box-shadow:4px 4px 4px 4px rgb(155, 253,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5788, 0.2824, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 253, 204) }
```

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

```
.background{ background-color: rgb(155,  
253, 204) }
```

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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