

Converting Colors

$Y_{xy}(81.6226, 0.2805, 0.3972)$

Have a look what the booklet for
Yxy(81.6226, 0.2805, 0.3972)
contains.

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Color

Yxy(81.6170, 0.2806, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	91FFC6
RGB	145, 255, 198
RGB Percent	57%, 100%, 78%
CMY	0.4313, 0.0000, 0.2236
CMYK	0.43, 0.00, 0.22, 0.00
HSL	149°, 100%, 78%
HSV	149°, 43%, 100%
XYZ	57.6289, 81.6170, 66.1315
YIQ	215.6120, -47.2630, -41.0470

Conversions

Conversions Part 2

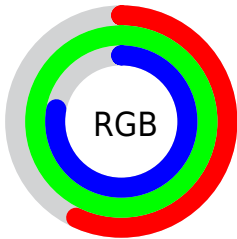
Format	Color
RYB	145, 219, 255
Decimal	9568198
CIELab	92.41, -44.07, 17.53
CIELCh	92, 47.433, 158.307
Yxy	81.6170, 0.2806, 0.3974
Android (android.graphics.Color)	4287758278 (0xFF91FFC6)
YUV	215.6120, -8.6827, -61.9267
Hunter-Lab	90.3421, -44.2342, 19.8385

Details

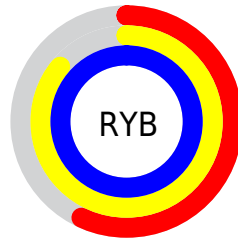
The Yxy color **81.6170, 0.2806, 0.3974** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.7779, 0.3665, 0.2705**, and the grayscale version is **68.4753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **44.4280, 0.2725, 0.4152** is the 20% darker color. If you saturate the color by 10%, you get **78.9708, 0.2754, 0.4169**, and if you desaturate by 10%, it is **84.8358, 0.2870, 0.3790**.

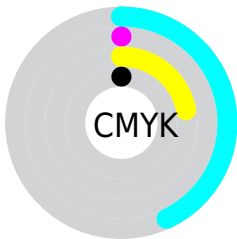
Distribution



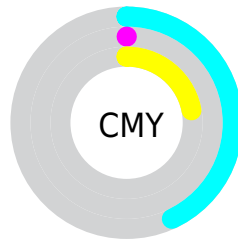
- Red (57%)
- Green (100%)
- Blue (78%)



- Red (57%)
- Yellow (86%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6170, 0.2806, 0.3974 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 81.6170, 0.2806, 0.3974 by changing the saturation by 10% instead.

 81.6170, 0.2806,
0.3974

 81.6170, 0.2806,
0.3974


500.3657, 0.2959,
0.3649

 61.0499, 0.2770,
0.4050


 135.6368, 0.2860,
0.3859

 44.2654, 0.2725,
0.4146


 169.8582, 0.2881,
0.3815

 30.8792, 0.2668,
0.4268


209.3999, 0.2898,
0.3778

 20.5069, 0.2591,
0.4431

254.6462, 0.2914,
0.3745

 12.7640, 0.2485,
0.4658

305.9816, 0.2927,
0.3716

 7.2663, 0.2328,
0.4992


363.7903, 0.2939,


 3.6292, 0.2077,


0.3691


0.5530


428.4569, 0.2949,
0.3669


 1.4684, 0.1166,
0.7463


 0.2663, 0.0000,
1.0000


 81.6170, 0.2806,
0.3974


 81.6170, 0.2806,
0.3974


 78.9708, 0.2754,
0.4169


 84.8358, 0.2870,
0.3790


 76.8612, 0.2718,
0.4373

 88.6612, 0.2942,
0.3621

 75.2472, 0.2701,
0.4580

 93.1235, 0.3020,
0.3468

 74.0815, 0.2704,
0.4783

 98.2512, 0.3101,
0.3330

■ 73.3069, 0.2726,
0.4977

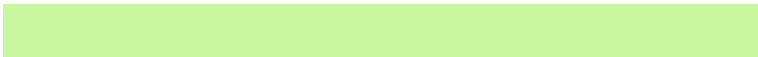
100.0000, 0.3127,
0.3290

■ 72.9456, 0.2751,
0.5103

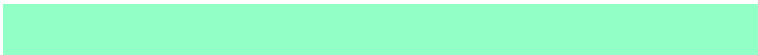
Harmonies

Analogous

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



81.6170, 0.3340, 0.4271



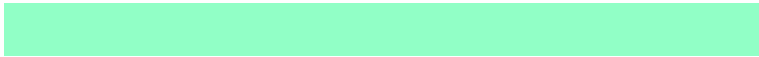
81.6170, 0.2806, 0.3974



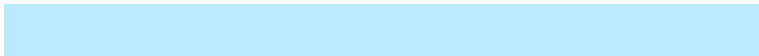
81.6170, 0.2382, 0.3442

Triad

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



81.6170, 0.2806, 0.3974



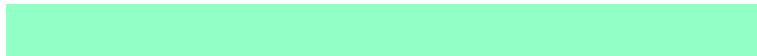
81.6170, 0.2407, 0.2424



81.6170, 0.4200, 0.3512

Complementary

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



81.6170, 0.2806, 0.3974



45.7779, 0.3665, 0.2705

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.



81.6170, 0.3909, 0.3086



81.6170, 0.2806, 0.3974



81.6170, 0.2840, 0.2488

Square

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



81.6170, 0.2806, 0.3974



81.6170, 0.2172, 0.2563



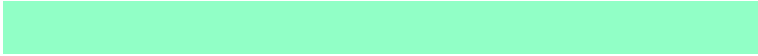
81.6170, 0.3394, 0.2724



81.6170, 0.4167, 0.3925

Rectangle

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



81.6170, 0.2806, 0.3974



81.6170, 0.2209, 0.3078



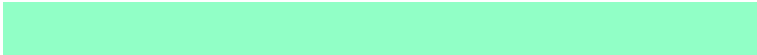
81.6170, 0.3394, 0.2724



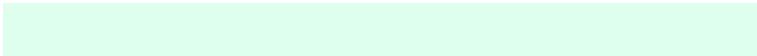
81.6170, 0.4137, 0.3367

Sweetspot

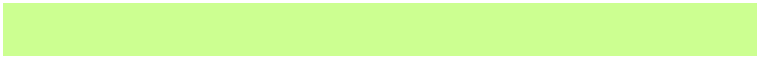
The Sweet Spot groups the original color and five complimentary colors.



81.6168, 0.2806, 0.3974



93.1882, 0.3022, 0.3466



86.3552, 0.3420, 0.4497



19.7228, 0.3004, 0.3498



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.



81.6168, 0.2806, 0.3974



79.2433, 0.2760, 0.4147



84.5264, 0.2557, 0.3330



20.3139, 0.3050, 0.3416



38.1455, 0.2742, 0.5073



3.7360, 0.2683, 0.4860

Inverse Universe

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



45.7779, 0.3665, 0.2705



39.0450, 0.3830, 0.2593



43.6721, 0.4231, 0.3255



18.1443, 0.3213, 0.3167



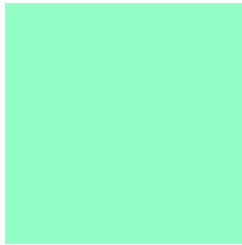
12.0122, 0.4886, 0.2465



1.1917, 0.4643, 0.2331

Previews

White Background



This preview shows how the Yxy color 81.6170, 0.2806, 0.3974 looks on a white background.

Color Contrast Check

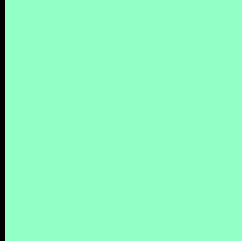
Large Text (above 18pt) WCAG AA × Fail

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 81.6170, 0.2806, 0.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

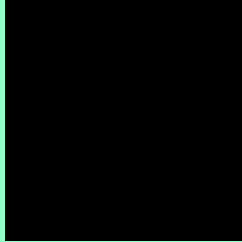
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6170, 0.2806, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 81.6170, 0.2806, 0.3974.

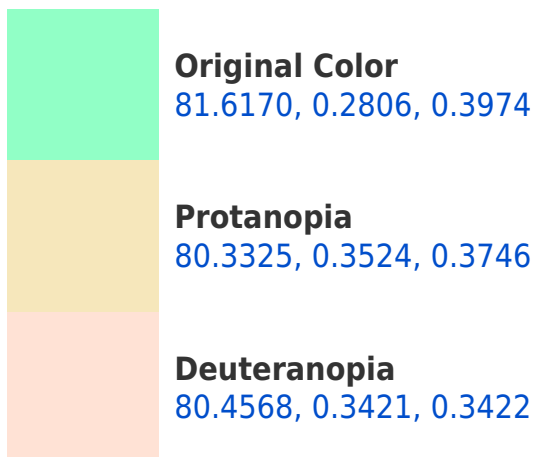


This preview shows how white text looks on a background with the Yxy color 81.6170, 0.2806, 0.3974.

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





Tritanopia

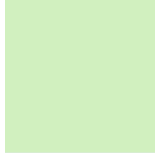
80.9494, 0.2733, 0.3138

Trichromacy



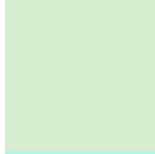
Original Color

81.6170, 0.2806, 0.3974



Protanomaly

79.6371, 0.3220, 0.3835



Deuteranomaly

79.5695, 0.3159, 0.3607



Tritanomaly

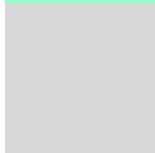
80.7363, 0.2759, 0.3424

Monochromacy



Original Color

81.6170, 0.2806, 0.3974



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.1442, 0.2989, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6170, 0.2806, 0.3974 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(145, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 198)  
}
```

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(145, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 81.6170, 0.2806, 0.3974 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(145, 255, 198) }
```

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

```
.border{ border-color:rgb(145, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6170, 0.2806, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 198) }
```

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

```
.background{ background-color: rgb(145,  
255, 198) }
```

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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