

# Converting Colors

Yxy(80.4168, 0.2847, 0.3809)

Have a look what the booklet for  
Yxy(80.4168, 0.2847, 0.3809)  
contains.

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# Color

**Yxy(80.5088, 0.2848, 0.3807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2FACE
RGB	162, 250, 206
RGB Percent	64%, 98%, 81%
CMY	0.3646, 0.0196, 0.1923
CMYK	0.35, 0.00, 0.18, 0.02
HSL	150°, 90%, 81%
HSV	150°, 35%, 98%
XYZ	60.2283, 80.5088, 70.7386
YIQ	218.6720, -38.3240, -32.3400

# Conversions

## Conversions Part 2

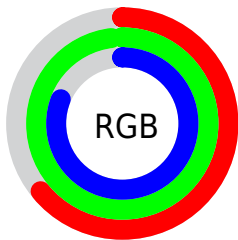
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 221, 250
Decimal	10681038
CIELab	91.91, -35.68, 12.84
CIELCh	92, 37.919, 160.211
Yxy	80.5088, 0.2848, 0.3807
Android (android.graphics.Color)	4288871118 (0xFFA2FACE)
YUV	218.6720, -6.2473, -49.7013
Hunter-Lab	89.7267, -37.2051, 16.0657

# Details

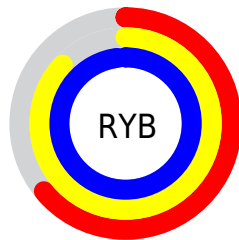
The Yxy color **80.5088, 0.2848, 0.3807** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.6363, 0.3548, 0.2829**, and the grayscale version is **70.6685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **43.5327, 0.2779, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **77.5643, 0.2785, 0.3986**, and if you desaturate by 10%, it is **84.0288, 0.2921, 0.3641**.

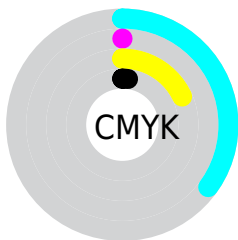
# Distribution



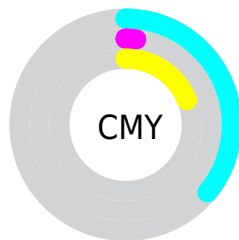
- Red (64%)
- Green (98%)
- Blue (81%)



- Red (64%)
- Yellow (87%)
- Blue (98%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)



- Cyan (36%)
- Magenta (2%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5088, 0.2848, 0.3807 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 80.5088, 0.2848, 0.3807 by changing the saturation by 10% instead.





 80.5088, 0.2848,  
0.3807

 80.5088, 0.2848,  
0.3807


496.6459, 0.2979,  
0.3563

 60.1371, 0.2818,  
0.3864


 134.0808, 0.2894,  
0.3721

 43.5292, 0.2780,  
0.3935


 168.0500, 0.2912,  
0.3688

 30.3005, 0.2732,  
0.4026


207.3205, 0.2927,  
0.3660

 20.0668, 0.2668,  
0.4146

252.2766, 0.2940,  
0.3635

 12.4436, 0.2580,  
0.4312

303.3028, 0.2952,  
0.3614

 7.0466, 0.2452,  
0.4558


360.7835, 0.2962,

 3.4912, 0.2248,

0.3595

425.1031, 0.2971,  
0.3578


0.4953


 1.3933, 0.1653,  
0.6020


 0.2117, 0.0000,  
1.0000


 80.5088, 0.2848,  
0.3807


 80.5088, 0.2848,  
0.3807


 77.5643, 0.2785,  
0.3986


 84.0288, 0.2921,  
0.3641


 75.1532, 0.2734,  
0.4176

 88.1439, 0.3000,  
0.3490

 73.2435, 0.2700,  
0.4373

 92.8848, 0.3083,  
0.3355

 71.7951, 0.2686,  
0.4572

 96.8523, 0.3129,  
0.3242

■ 70.7617, 0.2691,  
0.4768

■ 70.0865, 0.2717,  
0.4955

■ 69.8497, 0.2734,  
0.5041

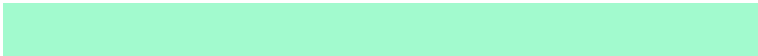
# Harmonies

## Analogous

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



80.5088, 0.3280, 0.4059



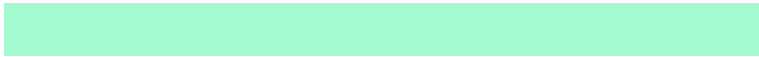
80.5088, 0.2848, 0.3807



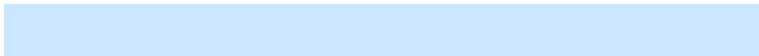
80.5088, 0.2506, 0.3389

# Triad

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



80.5088, 0.2848, 0.3807



80.5088, 0.2560, 0.2580



80.5088, 0.3994, 0.3506

# Complementary

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



80.5088, 0.2848, 0.3807



50.6363, 0.3548, 0.2829

# 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.



80.5088, 0.3776, 0.3151



80.5088, 0.2848, 0.3807



80.5088, 0.2926, 0.2639

# Square

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



80.5088, 0.2848, 0.3807



80.5088, 0.2351, 0.2690



80.5088, 0.3374, 0.2844

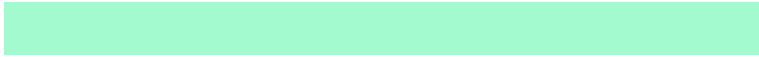


80.5088, 0.3957, 0.3837



# Rectangle

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



80.5088, 0.2848, 0.3807



80.5088, 0.2369, 0.3103



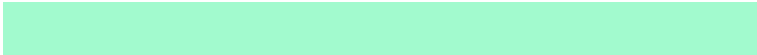
80.5088, 0.3374, 0.2844



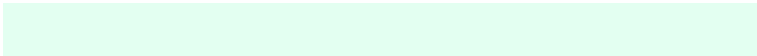
80.5088, 0.3948, 0.3387

# Sweetspot

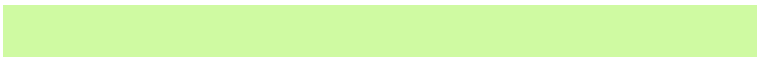
The Sweet Spot groups the original color and five complimentary colors.



80.5121, 0.2848, 0.3807



94.1913, 0.3035, 0.3432



84.3174, 0.3365, 0.4261



20.0197, 0.3024, 0.3451



0.0000, 0.0000, 0.0000

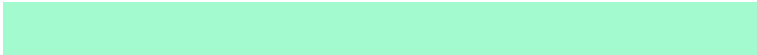


21.4041, 0.3127, 0.3290

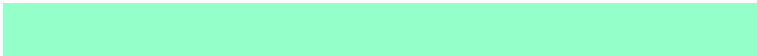


# Same Dimension

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



80.5121, 0.2848, 0.3807



82.0422, 0.2803, 0.3929



82.8679, 0.2637, 0.3305



19.4539, 0.3047, 0.3411



37.0789, 0.2725, 0.5012



3.4555, 0.2665, 0.4793



# Inverse Universe

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



50.6363, 0.3548, 0.2829



46.6494, 0.3664, 0.2738



48.8392, 0.3959, 0.3277



17.3701, 0.3215, 0.3172



11.5967, 0.4960, 0.2506

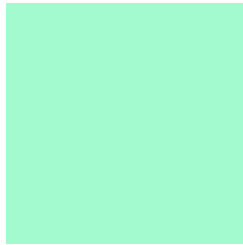


1.0955, 0.4694, 0.2360



# Previews

## White Background



This preview shows how the Yxy color 80.5088, 0.2848, 0.3807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

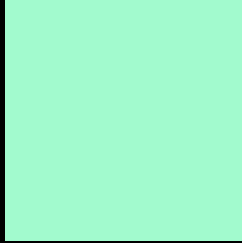
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5088, 0.2848, 0.3807 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 80.5088, 0.2848, 0.3807**

## Background



This preview shows how black text looks on a background with the Yxy color 80.5088, 0.2848, 0.3807.

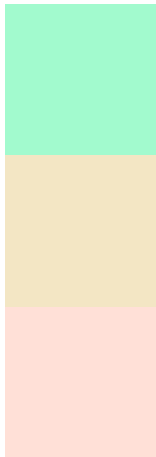


This preview shows how white text looks on a background with the Yxy color 80.5088, 0.2848, 0.3807.

# 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

80.5088, 0.2848, 0.3807

### Protanopia

79.6338, 0.3443, 0.3645

### Deuteranopia

79.4776, 0.3410, 0.3381



## Tritanopia

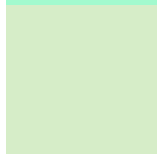
80.3590, 0.2732, 0.3127

# Trichromacy



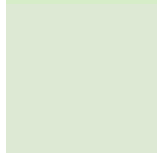
## Original Color

80.5088, 0.2848, 0.3807



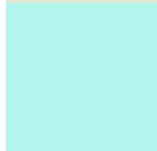
## Protanomaly

79.0346, 0.3202, 0.3697



## Deuteranomaly

78.4034, 0.3178, 0.3517



## Tritanomaly

80.3995, 0.2774, 0.3367

# Monochromacy



## Original Color

80.5088, 0.2848, 0.3807



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.4544, 0.3011, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5088, 0.2848, 0.3807 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(162, 250, 206)` looks like.

```
.text, #text, p{  
    color:rgb(162, 250, 206)  
}
```

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(162, 250, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 250, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5088, 0.2848, 0.3807 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(162, 250, 206) }
```

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

```
.border{ border-color:rgb(162, 250, 206) }
```

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

Here you see how a box with a 4 pixel rgb(162, 250, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 250, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 250, 206);  
box-shadow:4px 4px 4px 4px rgb(162, 250,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5088, 0.2848, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 250, 206) }
```

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

```
.background{ background-color: rgb(162,  
250, 206) }
```

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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