

# Converting Colors

$Yxy(80.0626, 0.2742, 0.3448)$

Have a look what the booklet for  
Yxy(80.0626, 0.2742, 0.3448)  
contains.

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# Color

**Yxy(80.0626, 0.2742, 0.3448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8F6E8
RGB	168, 246, 232
RGB Percent	66%, 96%, 91%
CMY	0.3413, 0.0353, 0.0901
CMYK	0.32, 0.00, 0.06, 0.04
HSL	169°, 81%, 81%
HSV	169°, 32%, 96%
XYZ	63.6693, 80.0626, 88.4682
YIQ	221.0820, -41.9940, -20.8900

# Conversions

## Conversions Part 2

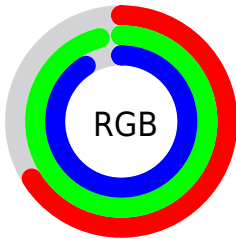
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 211, 246
Decimal	11073256
CIE Lab	91.71, -26.79, -0.91
CIE LCh	92, 26.806, 181.954
Yxy	80.0626, 0.2742, 0.3448
Android (android.graphics.Color)	4289263336 (0xFFA8F6E8)
YUV	221.0820, 5.3826, -46.5529
Hunter-Lab	89.4777, -29.5715, 4.0133

# Details

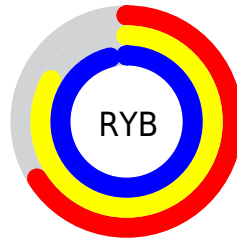
The Yxy color **80.0626, 0.2742, 0.3448** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.9650, 0.3725, 0.3140**, and the grayscale version is **72.3500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **43.0405, 0.2659, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **77.3696, 0.2642, 0.3506**, and if you desaturate by 10%, it is **83.2790, 0.2854, 0.3394**.

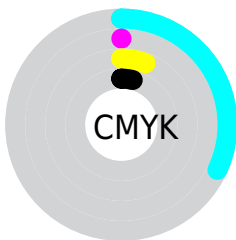
# Distribution



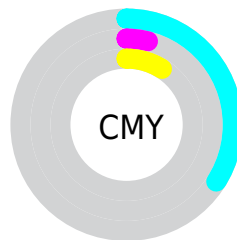
- Red (66%)
- Green (96%)
- Blue (91%)



- Red (66%)
- Yellow (83%)
- Blue (96%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (34%)
- Magenta (4%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0626, 0.2742, 0.3448 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 80.0626, 0.2742, 0.3448 by changing the saturation by 10% instead.




 80.0626, 0.2742,  
0.3448

 80.0626, 0.2742,  
0.3448


495.1438, 0.2916,  
0.3377

 59.7699, 0.2703,  
0.3464


 133.4537, 0.2802,  
0.3424

 43.2332, 0.2655,  
0.3483


167.3209, 0.2825,  
0.3414

 30.0681, 0.2596,  
0.3507


206.4817, 0.2846,  
0.3406

 19.8903, 0.2519,  
0.3538

251.3206, 0.2863,  
0.3399

 12.3153, 0.2417,  
0.3579

302.2218, 0.2879,  
0.3392

 6.9588, 0.2273,  
0.3635

359.5698, 0.2893,

 3.4363, 0.2059,

0.3387

0.3719

423.7490, 0.2905,  
0.3382

■ 1.3636, 0.1646,  
0.3881

■ 0.1896, 0.0000,  
0.4122

■ 80.0626, 0.2742,  
0.3448

■ 80.0626, 0.2742,  
0.3448

■ 77.3696, 0.2642,  
0.3506

■ 83.2790, 0.2854,  
0.3394

■ 75.1615, 0.2558,  
0.3567

■ 87.0358, 0.2976,  
0.3343


■ 73.4096, 0.2491,  
0.3631

■ 91.3610, 0.3105,  
0.3297


■ 72.0783, 0.2443,  
0.3696


■ 94.0559, 0.3163,  
0.3255

 71.1267, 0.2415,  
0.3761

 94.3349, 0.3137,  
0.3213

 70.5056, 0.2407,  
0.3826

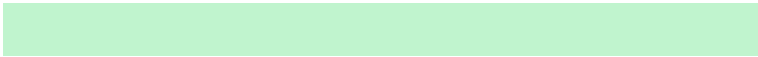
 94.3955, 0.3131,  
0.3204

 70.1782, 0.2411,  
0.3879

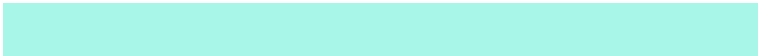
# Harmonies

## Analogous

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



80.0626, 0.3015, 0.3712



80.0626, 0.2742, 0.3448



80.0626, 0.2574, 0.3149

# Triad

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



80.0626, 0.2742, 0.3448



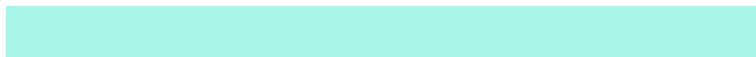
80.0626, 0.2906, 0.2793



80.0626, 0.3741, 0.3632

# Complementary

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



80.0626, 0.2742, 0.3448



50.9650, 0.3725, 0.3140

# 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.



80.0626, 0.3713, 0.3384



80.0626, 0.2742, 0.3448



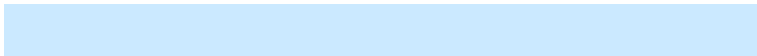
80.0626, 0.3217, 0.2916

# Square

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



80.0626, 0.2742, 0.3448



80.0626, 0.2665, 0.2788



80.0626, 0.3517, 0.3127



80.0626, 0.3597, 0.3806

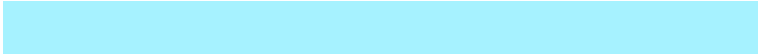


# Rectangle

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



80.0626, 0.2742, 0.3448



80.0626, 0.2540, 0.2979



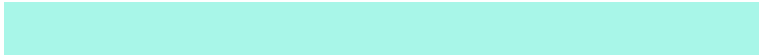
80.0626, 0.3517, 0.3127



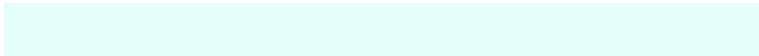
80.0626, 0.3752, 0.3554

# Sweetspot

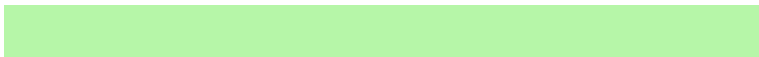
The Sweet Spot groups the original color and five complimentary colors.



80.0658, 0.2742, 0.3448



95.1898, 0.2998, 0.3335



78.7210, 0.3172, 0.4205



20.2407, 0.2980, 0.3342



0.0000, 0.0000, 0.0000

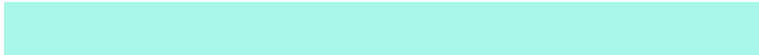


21.4041, 0.3127, 0.3290

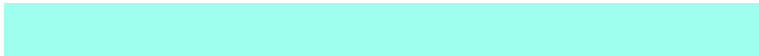


# Same Dimension

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



80.0658, 0.2742, 0.3448



84.9519, 0.2677, 0.3485



66.8458, 0.2638, 0.3003



18.7039, 0.3004, 0.3333



37.4752, 0.2408, 0.3869



3.3067, 0.2385, 0.3788



# Inverse Universe

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



50.9650, 0.3725, 0.3140



48.8606, 0.3899, 0.3110



60.4209, 0.3773, 0.3558



16.5309, 0.3265, 0.3248



10.5695, 0.6129, 0.3150

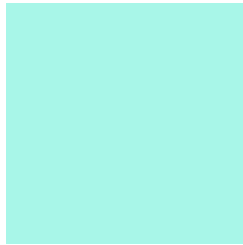


0.9422, 0.5808, 0.2973



# Previews

## White Background



This preview shows how the Yxy color 80.0626, 0.2742, 0.3448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

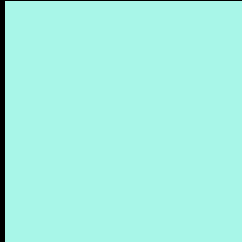
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.0626, 0.2742, 0.3448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

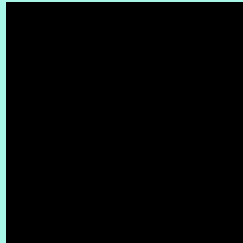
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.0626, 0.2742, 0.3448**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.0626, 0.2742, 0.3448.

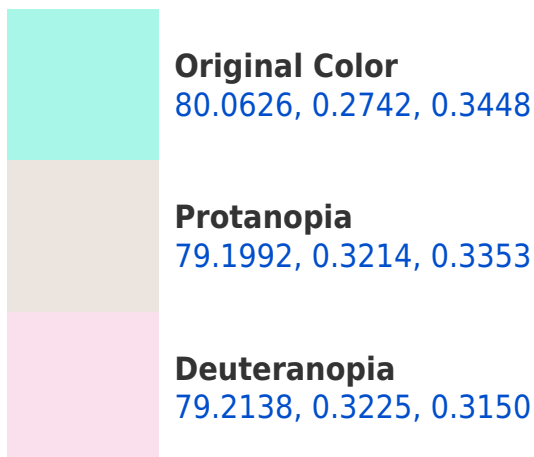


This preview shows how white text looks on a background with the Yxy color 80.0626, 0.2742, 0.3448.

# 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

79.6444, 0.2725, 0.3116

# Trichromacy



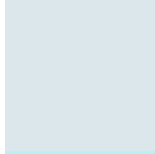
## Original Color

80.0626, 0.2742, 0.3448



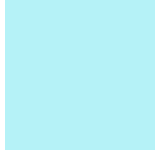
## Protanomaly

78.7565, 0.3024, 0.3387



## Deuteranomaly

78.3656, 0.3029, 0.3247



## Tritanomaly

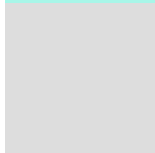
80.0434, 0.2731, 0.3234

# Monochromacy



## Original Color

80.0626, 0.2742, 0.3448



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

74.5864, 0.2971, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.0626, 0.2742, 0.3448 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(168, 246, 232)` looks like.

```
.text, #text, p{  
    color:rgb(168, 246, 232)  
}
```

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(168, 246, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 246, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 80.0626, 0.2742, 0.3448 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(168, 246, 232) }
```

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

```
.border{ border-color:rgb(168, 246, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 246, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 246, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 246, 232); box-shadow:4px 4px 4px 4px rgb(168, 246, 232) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.0626, 0.2742, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 246, 232) }
```

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

```
.background{ background-color: rgb(168,  
246, 232) }
```

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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