

# Converting Colors

$Yxy(76.1802, 0.2680, 0.3808)$

Have a look what the booklet for  
Yxy(76.1802, 0.2680, 0.3808)  
contains.

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# Color

**Yxy(76.1802, 0.2680, 0.3808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F8CE
RGB	128, 248, 206
RGB Percent	50%, 97%, 81%
CMY	0.4978, 0.0275, 0.1922
CMYK	0.48, 0.00, 0.17, 0.03
HSL	159°, 90%, 74%
HSV	159°, 48%, 97%
XYZ	53.6142, 76.1802, 70.2586
YIQ	207.3320, -58.0380, -38.5020

# Conversions

## Conversions Part 2

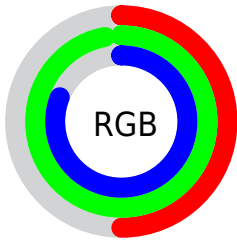
Format	Color
R <sub>Y</sub> B	128, 201, 248
Decimal	8452302
CIE Lab	89.94, -43.52, 9.83
CIE LCh	90, 44.620, 167.268
Yxy	76.1802, 0.2680, 0.3808
Android (android.graphics.Color)	4286642382 (0xFF80F8CE)
YUV	207.3320, -0.6567, -69.5742
Hunter-Lab	87.2813, -43.0951, 13.3703

# Details

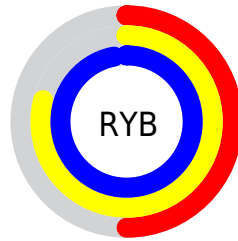
The Yxy color **76.1802, 0.2680, 0.3808** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.3147, 0.3988, 0.2846**, and the grayscale version is **62.6639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **40.7219, 0.2571, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **74.0778, 0.2621, 0.3939**, and if you desaturate by 10%, it is **78.7820, 0.2754, 0.3684**.

# Distribution



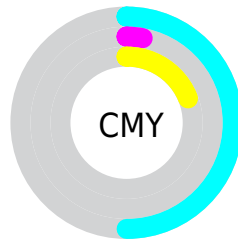
- Red (50%)
- Green (97%)
- Blue (81%)



- Red (50%)
- Yellow (79%)
- Blue (97%)



- Cyan (48%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)




- Cyan (50%)
- Magenta (3%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1802, 0.2680, 0.3808 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 76.1802, 0.2680, 0.3808 by changing the saturation by 10% instead.





 76.1802, 0.2680,  
0.3808


 76.1802, 0.2680,  
0.3808


481.9643, 0.2889,  
0.3562

 56.5803, 0.2632,  
0.3866


 127.9816, 0.2753,  
0.3721

 40.6684, 0.2573,  
0.3938


 160.9519, 0.2781,  
0.3688

 28.0600, 0.2497,  
0.4031


 199.1477, 0.2805,  
0.3659

 18.3709, 0.2398,  
0.4154

242.9535, 0.2826,  
0.3635

 11.2166, 0.2263,  
0.4326

292.7537, 0.2845,  
0.3613

 6.2127, 0.2068,  
0.4581


348.9326, 0.2861,

 2.9749, 0.1765,


0.3594


0.4996

411.8747, 0.2876,  
0.3577


 1.1186, 0.0000,  
0.6864


 0.0000, 0.0000,  
0.0000

 76.1802, 0.2680,  
0.3808

 76.1802, 0.2680,  
0.3808


 74.0778, 0.2621,  
0.3939

 78.7820, 0.2754,  
0.3684

 72.4304, 0.2581,  
0.4074

 81.9057, 0.2841,  
0.3568

 71.2011, 0.2561,  
0.4211


 85.5834, 0.2937,  
0.3461


 70.3425, 0.2561,  
0.4347

 89.8419, 0.3039,  
0.3364

 69.7884, 0.2580,  
0.4480

 94.7062, 0.3145,  
0.3276

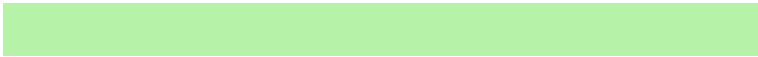
 69.7118, 0.2584,  
0.4502

 95.6142, 0.3130,  
0.3223

# Harmonies

## Analogous

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



76.1802, 0.3177, 0.4180



76.1802, 0.2680, 0.3808



76.1802, 0.2322, 0.3277

# Triad

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



76.1802, 0.2680, 0.3808



76.1802, 0.2539, 0.2452



76.1802, 0.4184, 0.3631

# Complementary

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



76.1802, 0.2680, 0.3808



38.3147, 0.3988, 0.2846

# 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.



76.1802, 0.3993, 0.3215



76.1802, 0.2680, 0.3808



76.1802, 0.3004, 0.2567

# Square

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



76.1802, 0.2680, 0.3808



76.1802, 0.2250, 0.2527



76.1802, 0.3545, 0.2838



76.1802, 0.4062, 0.4009



# Rectangle

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



76.1802, 0.2680, 0.3808



76.1802, 0.2198, 0.2948



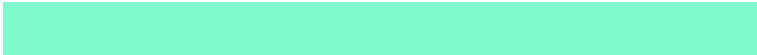
76.1802, 0.3545, 0.2838



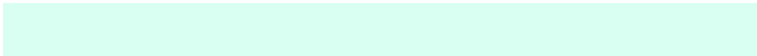
76.1802, 0.4155, 0.3492

# Sweetspot

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



76.1833, 0.2680, 0.3808



92.6203, 0.2970, 0.3428



77.4690, 0.3313, 0.4710



19.6273, 0.2949, 0.3449



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.



76.1833, 0.2680, 0.3808



78.9728, 0.2623, 0.3935



69.0880, 0.2453, 0.3097



19.4993, 0.3027, 0.3374



37.6862, 0.2578, 0.4481



3.5105, 0.2534, 0.4321



# Inverse Universe

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



38.3147, 0.3988, 0.2846



34.2964, 0.4267, 0.2774



41.4779, 0.4392, 0.3464



17.3256, 0.3239, 0.3207



11.1751, 0.5580, 0.2847

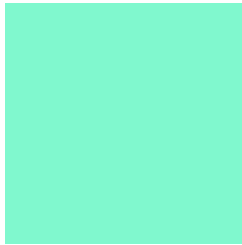


1.0542, 0.5249, 0.2665



# Previews

## White Background



This preview shows how the Yxy color 76.1802, 0.2680, 0.3808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

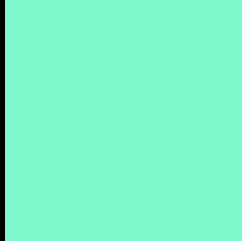
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1802, 0.2680, 0.3808 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

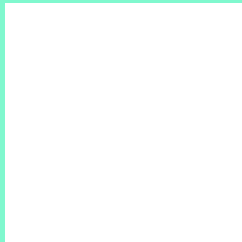
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.1802, 0.2680, 0.3808**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1802, 0.2680, 0.3808.

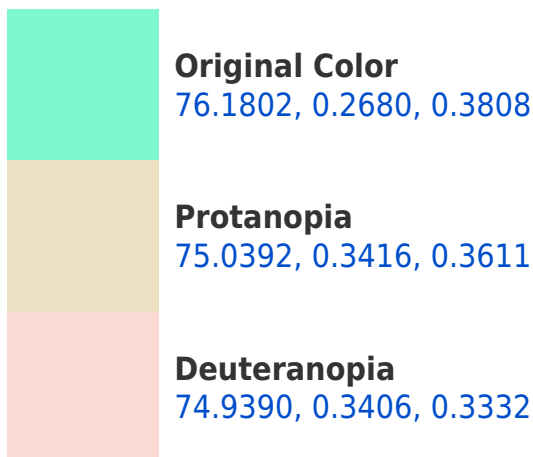


This preview shows how white text looks on a background with the Yxy color 76.1802, 0.2680, 0.3808.

# 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

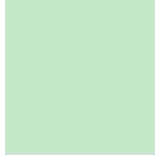
75.7400, 0.2573, 0.3097

# Trichromacy



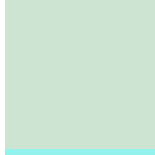
## Original Color

76.1802, 0.2680, 0.3808



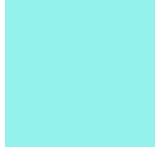
## Protanomaly

74.2254, 0.3102, 0.3692



## Deuteranomaly

73.2618, 0.3090, 0.3492



## Tritanomaly

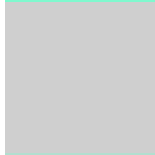
75.9146, 0.2612, 0.3347

# Monochromacy



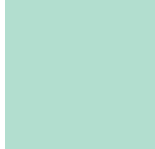
## Original Color

76.1802, 0.2680, 0.3808



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.2125, 0.2921, 0.3470

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1802, 0.2680, 0.3808 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(128, 248, 206)` looks like.

```
.text, #text, p{  
    color:rgb(128, 248, 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(128, 248, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 248, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1802, 0.2680, 0.3808 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(128, 248, 206) }
```

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

```
.border{ border-color:rgb(128, 248, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 248, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 248, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 248, 206);  
box-shadow:4px 4px 4px 4px rgb(128, 248,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1802, 0.2680, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 248, 206) }
```

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

```
.background{ background-color: rgb(128,  
248, 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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