

# Converting Colors

$Yxy(81.0323, 0.2754, 0.3644)$

Have a look what the booklet for  
Yxy(81.0323, 0.2754, 0.3644)  
contains.

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# Color

**Yxy(80.8076, 0.2756, 0.3638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFADC
RGB	158, 250, 220
RGB Percent	62%, 98%, 86%
CMY	0.3801, 0.0196, 0.1372
CMYK	0.37, 0.00, 0.12, 0.02
HSL	160°, 90%, 80%
HSV	160°, 37%, 98%
XYZ	61.2165, 80.8076, 80.0968
YIQ	219.0720, -45.2020, -28.8340

# Conversions

## Conversions Part 2

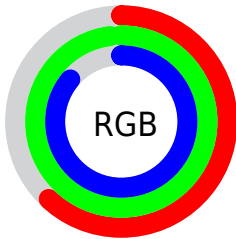
Format	Color
<a href="#">RYB</a>	<a href="#">158, 213, 250</a>
Decimal	<a href="#">10418908</a>
CIELab	<a href="#">92.05, -33.92, 5.74</a>
CIELCh	<a href="#">92, 34.401, 170.390</a>
Yxy	<a href="#">80.8076, 0.2756, 0.3638</a>
Android (android.graphics.Color)	<a href="#">4288608988 (0xFF9EFADC)</a>
YUV	<a href="#">219.0720, 0.4575, -53.5601</a>
Hunter-Lab	<a href="#">89.8930, -35.7556, 10.0964</a>

# Details

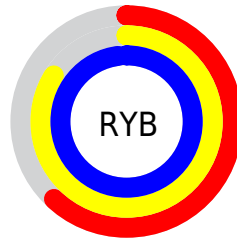
The Yxy color **80.8076, 0.2756, 0.3638** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4323, 0.3728, 0.2973**, and the grayscale version is **70.9242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **43.6813, 0.2670, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **78.1055, 0.2677, 0.3752**, and if you desaturate by 10%, it is **84.0529, 0.2847, 0.3532**.

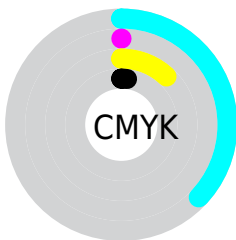
# Distribution



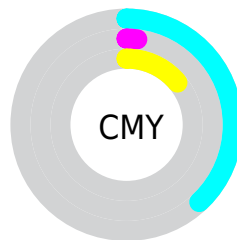
- Red (62%)
- Green (98%)
- Blue (86%)



- Red (62%)
- Yellow (84%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (2%)




- Cyan (38%)
- Magenta (2%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8076, 0.2756, 0.3638 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 80.8076, 0.2756, 0.3638 by changing the saturation by 10% instead.




 80.8076, 0.2756,  
0.3638


 80.8076, 0.2756,  
0.3638

497.6503, 0.2926,  
0.3477

 60.3832, 0.2718,  
0.3675


 134.5006, 0.2815,  
0.3582

 43.7275, 0.2671,  
0.3721


 168.5379, 0.2837,  
0.3560

 30.4564, 0.2611,  
0.3779


207.8816, 0.2857,  
0.3541

 20.1852, 0.2534,  
0.3855

252.9162, 0.2874,  
0.3525

 12.5298, 0.2431,  
0.3959

304.0259, 0.2890,  
0.3511

 7.1056, 0.2284,  
0.4109

361.5953, 0.2903,

 3.5282, 0.2061,

0.3498

426.0086, 0.2915,  
0.3487

0.4345

1.4133, 0.1512,  
0.4864

0.2265, 0.0000,  
1.0000

80.8076, 0.2756,  
0.3638

80.8076, 0.2756,  
0.3638

78.1055, 0.2677,  
0.3752

84.0529, 0.2847,  
0.3532

75.9052, 0.2614,  
0.3872

87.8608, 0.2947,  
0.3434

74.1746, 0.2568,  
0.3996

92.2615, 0.3053,  
0.3345

72.8739, 0.2543,  
0.4123

96.6940, 0.3143,  
0.3265

■ 71.9565, 0.2538,  
0.4249

■ 96.8461, 0.3129,  
0.3242

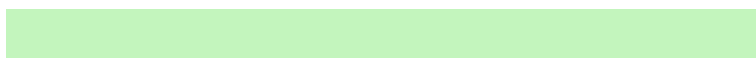
■ 71.3633, 0.2552,  
0.4373

■ 71.2117, 0.2559,  
0.4413

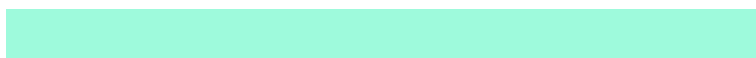
# Harmonies

## Analogous

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



80.8076, 0.3133, 0.3929



80.8076, 0.2756, 0.3638



80.8076, 0.2489, 0.3248

# Triad

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



80.8076, 0.2756, 0.3638



80.8076, 0.2711, 0.2643



80.8076, 0.3928, 0.3599

# Complementary

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



80.8076, 0.2756, 0.3638



48.4323, 0.3728, 0.2973

# 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.



80.8076, 0.3805, 0.3275



80.8076, 0.2756, 0.3638



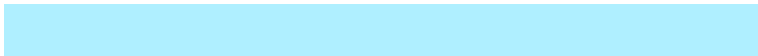
80.8076, 0.3081, 0.2745

# Square

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



80.8076, 0.2756, 0.3638



80.8076, 0.2466, 0.2692



80.8076, 0.3486, 0.2971

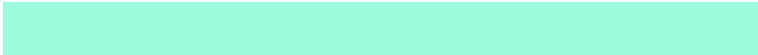


80.8076, 0.3819, 0.3873



# Rectangle

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



80.8076, 0.2756, 0.3638



80.8076, 0.2401, 0.3005



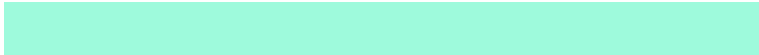
80.8076, 0.3486, 0.2971



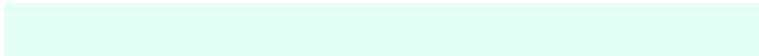
80.8076, 0.3912, 0.3493

# Sweetspot

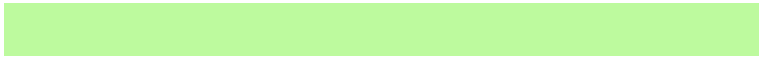
The Sweet Spot groups the original color and five complimentary colors.



80.8109, 0.2756, 0.3638



94.4877, 0.3008, 0.3382



81.6189, 0.3263, 0.4346



20.0904, 0.2993, 0.3394



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

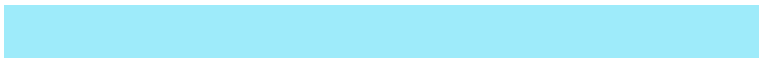
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8109, 0.2756, 0.3638



82.4259, 0.2697, 0.3720



73.4064, 0.2586, 0.3113



19.5067, 0.3024, 0.3368



37.8033, 0.2554, 0.4393



3.5207, 0.2512, 0.4244



# Inverse Universe

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



48.4323, 0.3728, 0.2973



44.1149, 0.3906, 0.2911



52.8304, 0.3966, 0.3457



17.3185, 0.3242, 0.3213



11.1230, 0.5672, 0.2898

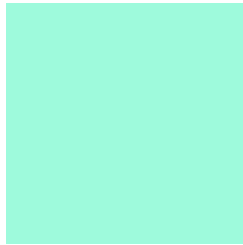


1.0488, 0.5337, 0.2714



# Previews

## White Background



This preview shows how the Yxy color 80.8076, 0.2756, 0.3638 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

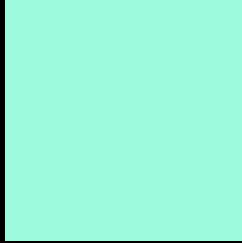
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.8076, 0.2756, 0.3638 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

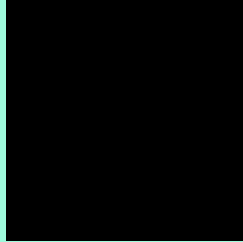
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.8076, 0.2756, 0.3638**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.8076, 0.2756, 0.3638.

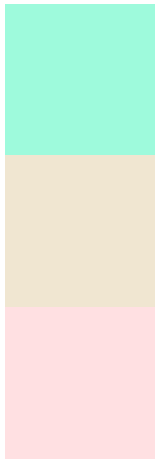


This preview shows how white text looks on a background with the Yxy color 80.8076, 0.2756, 0.3638.

# 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

80.8076, 0.2756, 0.3638

### Protanopia

79.7223, 0.3334, 0.3509

### Deuteranopia

80.0623, 0.3334, 0.3271



## Tritanopia

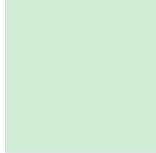
80.2315, 0.2726, 0.3127

# Trichromacy



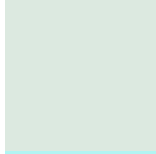
## Original Color

80.8076, 0.2756, 0.3638



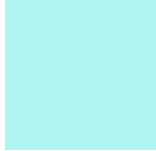
## Protanomaly

79.0741, 0.3095, 0.3553



## Deuteranomaly

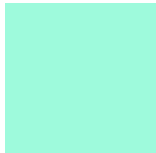
78.8753, 0.3096, 0.3386



## Tritanomaly

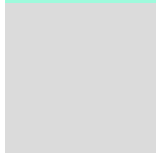
80.4593, 0.2737, 0.3311

# Monochromacy



## Original Color

80.8076, 0.2756, 0.3638



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.5784, 0.2975, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.8076, 0.2756, 0.3638 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(158, 250, 220)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 220)  
}
```

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(158, 250, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 80.8076, 0.2756, 0.3638 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(158, 250, 220) }
```

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

```
.border{ border-color:rgb(158, 250, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 250, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 220);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.8076, 0.2756, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 220) }
```

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

```
.background{ background-color: rgb(158,  
250, 220) }
```

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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