

# Converting Colors

$Yxy(77.0910, 0.2819, 0.3644)$

Have a look what the booklet for  
Yxy(77.0910, 0.2819, 0.3644)  
contains.

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# Color

**Yxy(76.9046, 0.2822, 0.3642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F3D5
RGB	165, 243, 213
RGB Percent	65%, 95%, 84%
CMY	0.3527, 0.0471, 0.1646
CMYK	0.32, 0.00, 0.12, 0.05
HSL	157°, 76%, 80%
HSV	157°, 32%, 95%
XYZ	59.5895, 76.9046, 74.6663
YIQ	216.2580, -36.8580, -25.8660

# Conversions

## Conversions Part 2

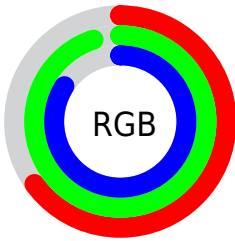
Format	Color
<b>RYB</b>	165, 213, 243
Decimal	10875861
CIELab	90.28, -30.16, 6.87
CIELCh	90, 30.929, 167.166
Yxy	76.9046, 0.2822, 0.3642
Android (android.graphics.Color)	4289065941 (0xFFA5F3D5)
YUV	216.2580, -1.6062, -44.9533
Hunter-Lab	87.6953, -32.1749, 10.9055

# Details

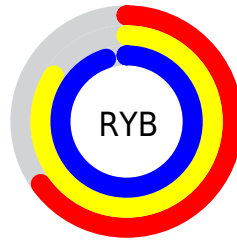
The Yxy color **76.9046, 0.2822, 0.3642** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.9289, 0.3581, 0.2966**, and the grayscale version is **68.8959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **41.3243, 0.2751, 0.3742** is the 20% darker color. If you saturate the color by 10%, you get **74.0825, 0.2743, 0.3774**, and if you desaturate by 10%, it is **80.2554, 0.2911, 0.3520**.

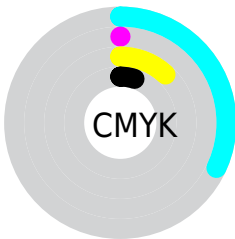
# Distribution



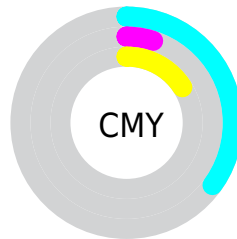
- Red (65%)
- Green (95%)
- Blue (84%)



- Red (65%)
- Yellow (84%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)




- Cyan (35%)
- Magenta (5%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9046, 0.2822, 0.3642 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 76.9046, 0.2822, 0.3642 by changing the saturation by 10% instead.



 76.9046, 0.2822,  
0.3642


 76.9046, 0.2822,  
0.3642

484.4387, 0.2964,  
0.3477

 57.1746, 0.2790,  
0.3680


 129.0048, 0.2871,  
0.3584

 41.1454, 0.2749,  
0.3728


 162.1438, 0.2890,  
0.3562

 28.4327, 0.2699,  
0.3789


200.5212, 0.2907,  
0.3543

 18.6521, 0.2632,  
0.3870

244.5214, 0.2921,  
0.3526

 11.4192, 0.2541,  
0.3981

294.5289, 0.2934,  
0.3511

 6.3495, 0.2410,  
0.4145


350.9280, 0.2945,


 3.0588, 0.2204,


0.3498


0.4410


414.1032, 0.2955,  
0.3487


 1.1625, 0.1524,  
0.5129


 0.0307, 0.0000,  
1.0000


 76.9046, 0.2822,  
0.3642


 76.9046, 0.2822,  
0.3642


 74.0825, 0.2743,  
0.3774


 80.2554, 0.2911,  
0.3520


 71.7512, 0.2677,  
0.3914

 84.1517, 0.3007,  
0.3409

 69.8823, 0.2628,  
0.4060

 88.6213, 0.3106,  
0.3309

 68.4407, 0.2598,  
0.4211

 92.2838, 0.3160,  
0.3219

■ 67.3861, 0.2588,  
0.4362

■ 92.5763, 0.3133,  
0.3175

■ 66.6699, 0.2598,  
0.4511

■ 66.2833, 0.2618,  
0.4626

# Harmonies

## Analogous

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



76.9046, 0.3174, 0.3889



76.9046, 0.2822, 0.3642



76.9046, 0.2561, 0.3292

# Triad

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



76.9046, 0.2822, 0.3642



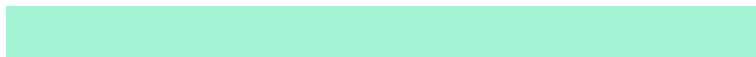
76.9046, 0.2716, 0.2693



76.9046, 0.3856, 0.3546

# Complementary

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



76.9046, 0.2822, 0.3642



49.9289, 0.3581, 0.2966

# 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.



76.9046, 0.3722, 0.3246



76.9046, 0.2822, 0.3642



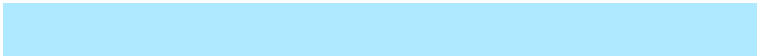
76.9046, 0.3046, 0.2772

# Square

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



76.9046, 0.2822, 0.3642



76.9046, 0.2504, 0.2756



76.9046, 0.3418, 0.2970



76.9046, 0.3781, 0.3804



# Rectangle

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



76.9046, 0.2822, 0.3642



76.9046, 0.2468, 0.3065



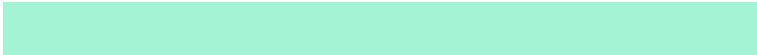
76.9046, 0.3418, 0.2970



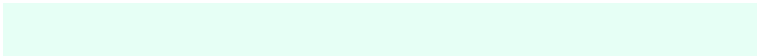
76.9046, 0.3834, 0.3447

# Sweetspot

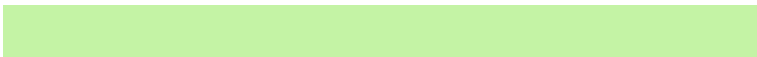
The Sweet Spot groups the original color and five complimentary colors.



76.9077, 0.2822, 0.3642



94.8647, 0.3027, 0.3388



78.5827, 0.3284, 0.4184



20.1617, 0.3013, 0.3403



0.0000, 0.0000, 0.0000

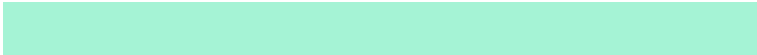


21.4041, 0.3127, 0.3290

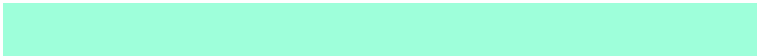


# Same Dimension

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



76.9077, 0.2822, 0.3642



83.8471, 0.2773, 0.3720



74.0077, 0.2658, 0.3199



18.6435, 0.3032, 0.3383



36.4086, 0.2612, 0.4603



3.2200, 0.2561, 0.4420



# Inverse Universe

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



49.9289, 0.3581, 0.2966



49.7047, 0.3702, 0.2904



51.6049, 0.3840, 0.3378



16.5880, 0.3233, 0.3199



10.9205, 0.5442, 0.2771

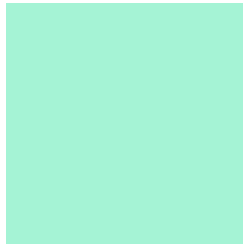


0.9793, 0.5105, 0.2586



# Previews

## White Background



This preview shows how the Yxy color 76.9046, 0.2822, 0.3642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

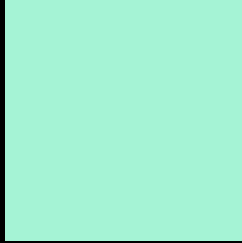
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9046, 0.2822, 0.3642 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

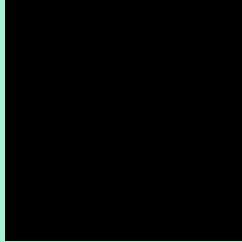
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

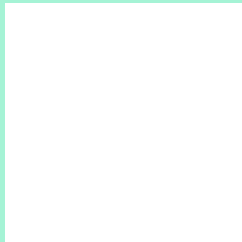
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9046, 0.2822, 0.3642**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9046, 0.2822, 0.3642.

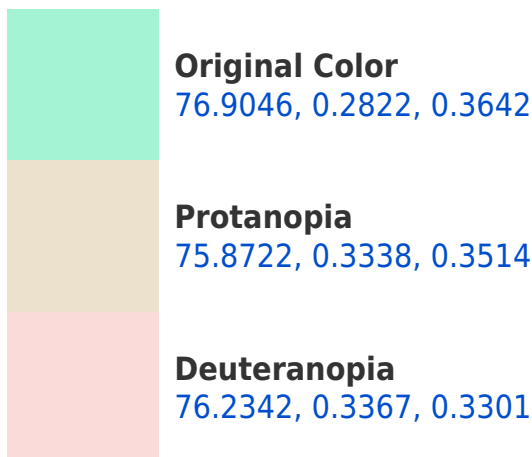


This preview shows how white text looks on a background with the Yxy color 76.9046, 0.2822, 0.3642.

# 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

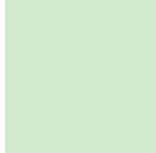
77.0185, 0.2658, 0.3090

# Trichromacy



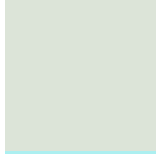
## Original Color

76.9046, 0.2822, 0.3642



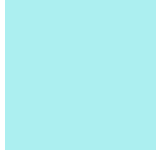
## Protanomaly

75.9199, 0.3134, 0.3568



## Deuteranomaly

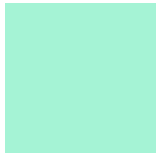
75.6603, 0.3149, 0.3420



## Tritanomaly

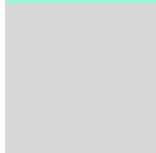
76.7949, 0.2715, 0.3277

# Monochromacy



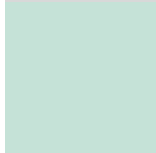
## Original Color

76.9046, 0.2822, 0.3642



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.1693, 0.2999, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9046, 0.2822, 0.3642 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(165, 243, 213)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 213)  
}
```

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(165, 243, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9046, 0.2822, 0.3642 is called "border". The border property can be set on classes, ids or directly on the HTML element.

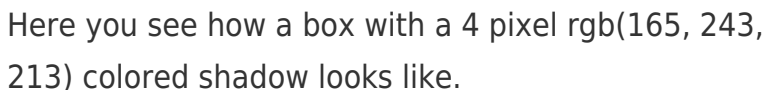
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 243, 213) }
```

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

```
.border{ border-color:rgb(165, 243, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 243, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 243, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 243, 213);  
box-shadow:4px 4px 4px 4px rgb(165, 243,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9046, 0.2822, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 243, 213) }
```

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

```
.background{ background-color: rgb(165,  
243, 213) }
```

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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