

# Converting Colors

$Yxy(75.4558, 0.2664, 0.3546)$

Have a look what the booklet for  
Yxy(75.4558, 0.2664, 0.3546)  
contains.

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# Color

**Yxy(75.2148, 0.2663, 0.3541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FF3DE
RGB	143, 243, 222
RGB Percent	56%, 95%, 87%
CMY	0.4391, 0.0471, 0.1295
CMYK	0.41, 0.00, 0.09, 0.05
HSL	167°, 81%, 76%
HSV	167°, 41%, 95%
XYZ	56.5651, 75.2148, 80.6313
YIQ	210.7060, -52.8590, -27.7310

# Conversions

## Conversions Part 2

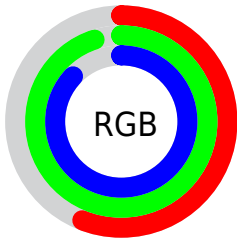
Format	Color
<a href="#">RYB</a>	<a href="#">143, 199, 243</a>
Decimal	<a href="#">9434078</a>
CIELab	<a href="#">89.49, -34.14, 0.94</a>
CIELCh	<a href="#">89, 34.155, 178.421</a>
Yxy	<a href="#">75.2148, 0.2663, 0.3541</a>
Android (android.graphics.Color)	<a href="#">4287624158</a> ( <a href="#">0xFF8FF3DE</a> )
YUV	<a href="#">210.7060, 5.5679, -59.3782</a>
Hunter-Lab	<a href="#">86.7265, -35.3493, 5.5855</a>

# Details

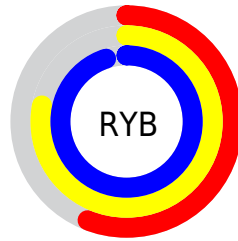
The Yxy color **75.2148, 0.2663, 0.3541** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.3922, 0.3957, 0.3061**, and the grayscale version is **64.9318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **39.8863, 0.2556, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **73.0085, 0.2580, 0.3613**, and if you desaturate by 10%, it is **77.9052, 0.2761, 0.3472**.

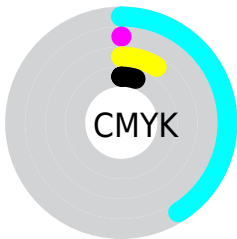
# Distribution



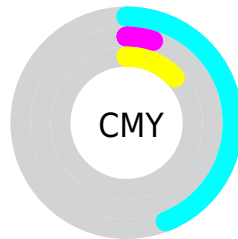
- Red (56%)
- Green (95%)
- Blue (87%)



- Red (56%)
- Yellow (78%)
- Blue (95%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)




- Cyan (44%)
- Magenta (5%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2148, 0.2663, 0.3541 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 75.2148, 0.2663, 0.3541 by changing the saturation by 10% instead.





 75.2148, 0.2663,  
0.3541


 75.2148, 0.2663,  
0.3541


478.6555, 0.2876,  
0.3425

 55.7889, 0.2615,  
0.3567


 126.6164, 0.2736,  
0.3501

 40.0337, 0.2556,  
0.3600


 159.3608, 0.2765,  
0.3485

 27.5648, 0.2481,  
0.3640


197.3136, 0.2790,  
0.3472

 17.9979, 0.2385,  
0.3693

240.8590, 0.2811,  
0.3460

 10.9485, 0.2255,  
0.3765

290.3815, 0.2830,  
0.3450

 6.0322, 0.2071,  
0.3868


346.2655, 0.2847,

 2.8647, 0.1793,


0.3441


0.4024

408.8954, 0.2862,  
0.3433


 1.0615, 0.0716,  
0.4595


 0.0000, 0.0000,  
0.0000


 75.2148, 0.2663,  
0.3541


 75.2148, 0.2663,  
0.3541


 73.0085, 0.2580,  
0.3613


 77.9052, 0.2761,  
0.3472


 71.2464, 0.2515,  
0.3689


 81.0985, 0.2870,  
0.3408


 69.8974, 0.2468,  
0.3766


 84.8236, 0.2988,  
0.3349


 68.9220, 0.2442,  
0.3844


 89.1045, 0.3113,  
0.3296

 68.2730, 0.2435,  
0.3922

 92.1102, 0.3178,  
0.3246

 67.9040, 0.2442,  
0.3990

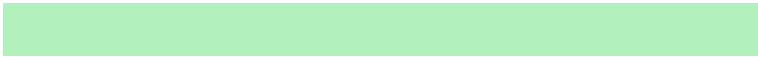
 92.4309, 0.3147,  
0.3198

 92.5821, 0.3133,  
0.3175

# Harmonies

## Analogous

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



75.2148, 0.3024, 0.3880



75.2148, 0.2663, 0.3541



75.2148, 0.2433, 0.3143

# Triad

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



75.2148, 0.2663, 0.3541



75.2148, 0.2795, 0.2647



75.2148, 0.3934, 0.3687

# Complementary

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



75.2148, 0.2663, 0.3541



41.3922, 0.3957, 0.3061

# 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.



75.2148, 0.3872, 0.3363



75.2148, 0.2663, 0.3541



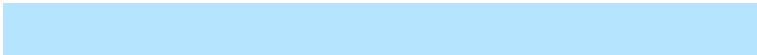
75.2148, 0.3191, 0.2787

# Square

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



75.2148, 0.2663, 0.3541



75.2148, 0.2506, 0.2653



75.2148, 0.3593, 0.3042



75.2148, 0.3765, 0.3937



# Rectangle

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



75.2148, 0.2663, 0.3541



75.2148, 0.2377, 0.2915



75.2148, 0.3593, 0.3042



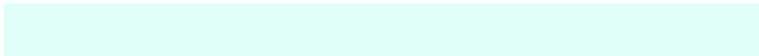
75.2148, 0.3940, 0.3583

# Sweetspot

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



75.2178, 0.2663, 0.3541



94.2438, 0.2978, 0.3354



74.0528, 0.3198, 0.4514



20.0497, 0.2962, 0.3362



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.



75.2178, 0.2663, 0.3541



81.9119, 0.2596, 0.3599



60.7505, 0.2508, 0.2945



18.6946, 0.3009, 0.3340



37.2880, 0.2438, 0.3977



3.2919, 0.2411, 0.3881



# Inverse Universe

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



41.3922, 0.3957, 0.3061



39.6497, 0.4210, 0.3021



50.3004, 0.4052, 0.3604



16.5395, 0.3260, 0.3240



10.6053, 0.6048, 0.3106

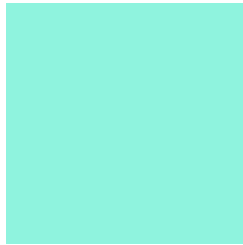


0.9465, 0.5711, 0.2920



# Previews

## White Background



This preview shows how the Yxy color 75.2148, 0.2663, 0.3541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

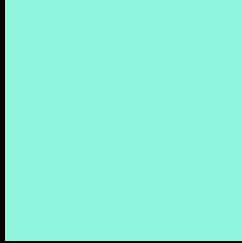
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2148, 0.2663, 0.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

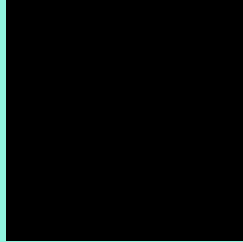
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

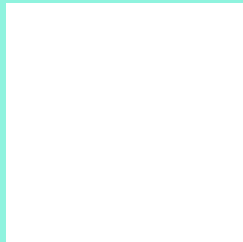
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.2148, 0.2663, 0.3541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2148, 0.2663, 0.3541.

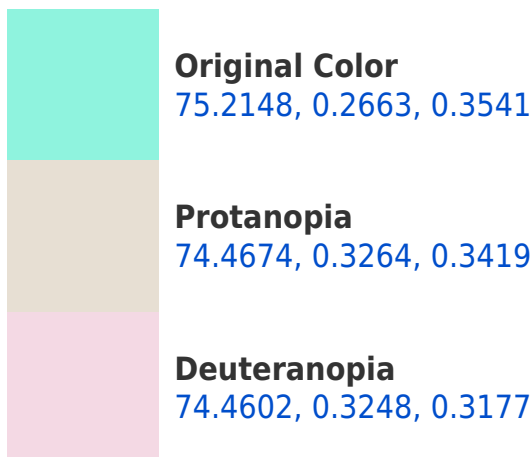


This preview shows how white text looks on a background with the Yxy color 75.2148, 0.2663, 0.3541.

# 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

75.0575, 0.2566, 0.3085

# Trichromacy



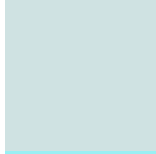
## Original Color

75.2148, 0.2663, 0.3541



## Protanomaly

73.6420, 0.3012, 0.3459



## Deuteranomaly

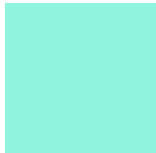
73.1491, 0.2998, 0.3290



## Tritanomaly

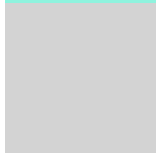
74.9764, 0.2602, 0.3242

# Monochromacy



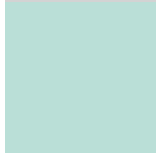
## Original Color

75.2148, 0.2663, 0.3541



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

68.1208, 0.2925, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2148, 0.2663, 0.3541 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(143, 243, 222)` looks like.

```
.text, #text, p{  
    color:rgb(143, 243, 222)  
}
```

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(143, 243, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 243, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2148, 0.2663, 0.3541 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(143, 243, 222) }
```

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

```
.border{ border-color:rgb(143, 243, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 243, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 243, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 243, 222);  
box-shadow:4px 4px 4px 4px rgb(143, 243,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2148, 0.2663, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 243, 222) }
```

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

```
.background{ background-color: rgb(143,  
243, 222) }
```

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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