

# Converting Colors

$Yxy(78.6997, 0.2703, 0.3425)$

Have a look what the booklet for  
Yxy(78.6997, 0.2703, 0.3425)  
contains.

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# Color

**Yxy(78.8694, 0.2705, 0.3427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F5E9
RGB	162, 245, 233
RGB Percent	64%, 96%, 91%
CMY	0.3648, 0.0392, 0.0863
CMYK	0.34, 0.00, 0.05, 0.04
HSL	171°, 81%, 80%
HSV	171°, 34%, 96%
XYZ	62.2532, 78.8694, 89.0186
YIQ	218.8150, -45.6160, -21.3280

# Conversions

## Conversions Part 2

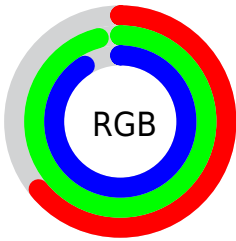
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 207, 245
Decimal	10679785
CIE <sub>Lab</sub>	91.18, -27.74, -2.23
CIE <sub>LCh</sub>	91, 27.830, 184.591
Y <sub>xy</sub>	78.8694, 0.2705, 0.3427
Android (android.graphics.Color)	4288869865 (0xFFA2F5E9)
Y <sub>UV</sub>	218.8150, 6.9932, -49.8268
Hunter-Lab	88.8084, -30.2893, 2.7356

# Details

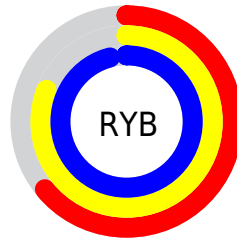
The Yxy color **78.8694, 0.2705, 0.3427** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.3001, 0.3810, 0.3161**, and the grayscale version is **70.6742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **42.2049, 0.2609, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **76.3516, 0.2605, 0.3474**, and if you desaturate by 10%, it is **81.8974, 0.2818, 0.3383**.

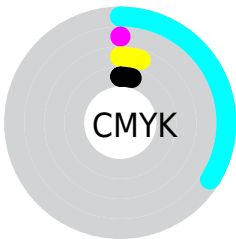
# Distribution



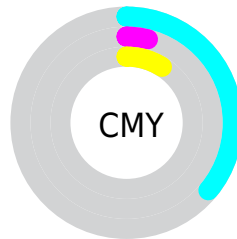
- Red (64%)
- Green (96%)
- Blue (91%)



- Red (64%)
- Yellow (81%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8694, 0.2705, 0.3427 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 78.8694, 0.2705, 0.3427 by changing the saturation by 10% instead.




 78.8694, 0.2705,  
0.3427

 78.8694, 0.2705,  
0.3427


491.1144, 0.2896,  
0.3366

 58.7884, 0.2662,  
0.3440


 131.7750, 0.2771,  
0.3406

 42.4428, 0.2610,  
0.3457

 165.3684, 0.2796,  
0.3398

 29.4482, 0.2545,  
0.3477


204.2348, 0.2819,  
0.3391

 19.4201, 0.2461,  
0.3502

248.7584, 0.2838,  
0.3385

 11.9743, 0.2348,  
0.3535

299.3239, 0.2855,  
0.3379

 6.7261, 0.2192,  
0.3581


356.3154, 0.2870,


 3.2914, 0.1959,


0.3374


0.3645


420.1174, 0.2884,  
0.3370

 1.2857, 0.1469,  
0.3789


 0.1301, 0.0000,  
0.3043


 78.8694, 0.2705,  
0.3427


 78.8694, 0.2705,  
0.3427


 76.3516, 0.2605,  
0.3474


 81.8974, 0.2818,  
0.3383


 74.3054, 0.2521,  
0.3523


 85.4530, 0.2943,  
0.3341


 72.7017, 0.2456,  
0.3574


 89.5641, 0.3074,  
0.3304

 71.5043, 0.2410,  
0.3626


 93.2988, 0.3179,  
0.3269

 70.6712, 0.2384,  
0.3678

 93.5203, 0.3157,  
0.3235

 70.1512, 0.2376,  
0.3729

 93.7459, 0.3136,  
0.3201

 69.9416, 0.2378,  
0.3760

 93.7923, 0.3132,  
0.3195

# Harmonies

## Analogous

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



78.8694, 0.2982, 0.3711



78.8694, 0.2705, 0.3427



78.8694, 0.2543, 0.3117

# Triad

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



78.8694, 0.2705, 0.3427



78.8694, 0.2923, 0.2780



78.8694, 0.3761, 0.3665

# Complementary

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



78.8694, 0.2705, 0.3427



48.3001, 0.3810, 0.3161

# 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.



78.8694, 0.3749, 0.3411



78.8694, 0.2705, 0.3427



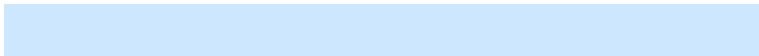
78.8694, 0.3250, 0.2917

# Square

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



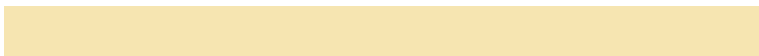
78.8694, 0.2705, 0.3427



78.8694, 0.2663, 0.2762



78.8694, 0.3558, 0.3143

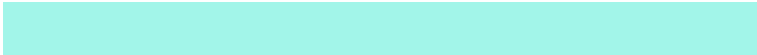


78.8694, 0.3596, 0.3839

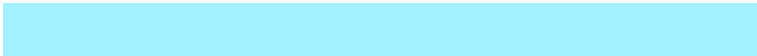


# Rectangle

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



78.8694, 0.2705, 0.3427



78.8694, 0.2516, 0.2945



78.8694, 0.3558, 0.3143



78.8694, 0.3778, 0.3586

# Sweetspot

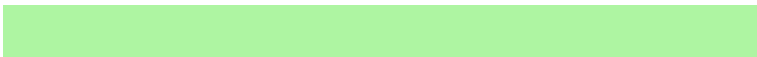
The Sweet Spot groups the original color and five complimentary colors.



78.8726, 0.2705, 0.3427



95.2447, 0.2993, 0.3326



76.9674, 0.3156, 0.4282



20.2540, 0.2974, 0.3332



0.0000, 0.0000, 0.0000

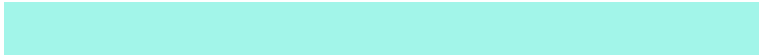


21.4041, 0.3127, 0.3290

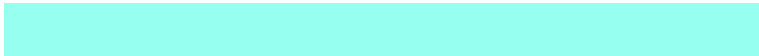


# Same Dimension

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



78.8726, 0.2705, 0.3427



84.3294, 0.2632, 0.3461



63.3559, 0.2601, 0.2947



18.7141, 0.3000, 0.3324



37.6906, 0.2376, 0.3752



3.3237, 0.2358, 0.3688



# Inverse Universe

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



48.3001, 0.3810, 0.3161



45.9549, 0.4027, 0.3133



59.2985, 0.3821, 0.3607



16.5216, 0.3271, 0.3256



10.5369, 0.6205, 0.3192

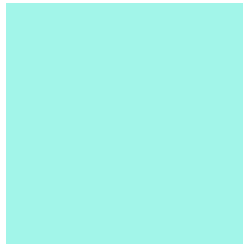


0.9378, 0.5910, 0.3029



# Previews

## White Background



This preview shows how the Yxy color 78.8694, 0.2705, 0.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

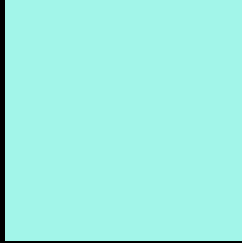
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8694, 0.2705, 0.3427 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

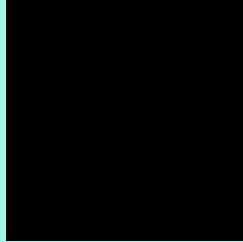
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.8694, 0.2705, 0.3427**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8694, 0.2705, 0.3427.

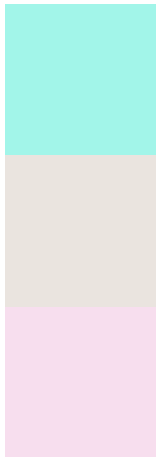


This preview shows how white text looks on a background with the Yxy color 78.8694, 0.2705, 0.3427.

# 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

78.8694, 0.2705, 0.3427

### Protanopia

78.3069, 0.3201, 0.3343

### Deuteranopia

78.1898, 0.3198, 0.3129



## Tritanopia

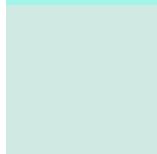
78.7768, 0.2687, 0.3114

# Trichromacy



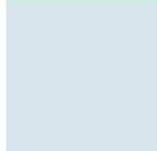
## Original Color

78.8694, 0.2705, 0.3427



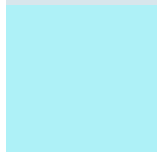
## Protanomaly

77.8016, 0.2998, 0.3366



## Deuteranomaly

77.2487, 0.2996, 0.3226



## Tritanomaly

78.6247, 0.2692, 0.3222

# Monochromacy



## Original Color

78.8694, 0.2705, 0.3427



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.8744, 0.2951, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8694, 0.2705, 0.3427 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(162, 245, 233)` looks like.

```
.text, #text, p{  
    color:rgb(162, 245, 233)  
}
```

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(162, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 245, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8694, 0.2705, 0.3427 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(162, 245, 233) }
```

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

```
.border{ border-color:rgb(162, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(162, 245,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8694, 0.2705, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 245, 233) }
```

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

```
.background{ background-color: rgb(162,  
245, 233) }
```

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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