

# Converting Colors

$Yxy(78.6862, 0.2741, 0.3235)$

Have a look what the booklet for  
Yxy(78.6862, 0.2741, 0.3235)  
contains.

|                                           |    |
|-------------------------------------------|----|
| <b>Yxy(78.7365, 0.2739, 0.3233)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(78.7365, 0.2739, 0.3233)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | B5F0F5                       |
| RGB         | 181, 240, 245                |
| RGB Percent | 71%, 94%, 96%                |
| CMY         | 0.2901, 0.0588, 0.0391       |
| CMYK        | 0.26, 0.02, 0.00, 0.04       |
| HSL         | 185°, 76%, 84%               |
| HSV         | 185°, 26%, 96%               |
| XYZ         | 66.7056, 78.7365, 98.0979    |
| YIQ         | 222.9290, -36.7690, -10.9530 |

# Conversions

## Conversions Part 2

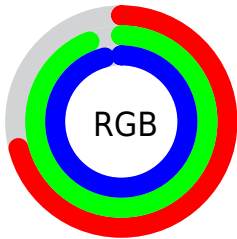
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 181, 212, 245                  |
| Decimal                             | 11923701                       |
| CIE Lab                             | 91.11, -17.37, -8.48           |
| CIE LCh                             | 91, 19.328, 206.039            |
| Yxy                                 | 78.7365, 0.2739,<br>0.3233     |
| Android<br>(android.graphics.Color) | 4290113781<br>(0xFFB5F0F5)     |
| YUV                                 | 222.9290, 10.8810,<br>-36.7717 |
| Hunter-Lab                          | 88.7336, -21.0961,<br>-3.4336  |

# Details

The Yxy color **78.7365, 0.2739, 0.3233** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.9020, 0.3675, 0.3346**, and the grayscale version is **73.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **42.3907, 0.2650, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **74.9026, 0.2608, 0.3208**, and if you desaturate by 10%, it is **83.1098, 0.2881, 0.3256**.

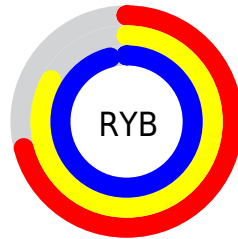
# Distribution



Red (71%)

Green (94%)

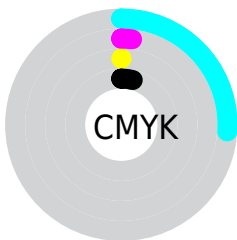
Blue (96%)



Red (71%)

Yellow (83%)

Blue (96%)

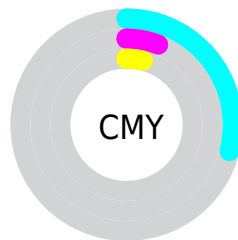


Cyan (26%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (29%)

Magenta (6%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7365, 0.2739, 0.3233 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 78.7365, 0.2739, 0.3233 by changing the saturation by 10% instead.




 78.7365, 0.2739,  
0.3233

 78.7365, 0.2739,  
0.3233

490.6645, 0.2914,  
0.3262

 58.6792, 0.2700,  
0.3226

 131.5878, 0.2799,  
0.3243

 42.3549, 0.2653,  
0.3217

165.1507, 0.2822,  
0.3247

 29.3793, 0.2593,  
0.3205


203.9841, 0.2843,  
0.3251

 19.3679, 0.2517,  
0.3189

248.4726, 0.2861,  
0.3254

 11.9364, 0.2416,  
0.3166

299.0004, 0.2876,  
0.3256

 6.7004, 0.2276,  
0.3131

355.9521, 0.2890,

 3.2755, 0.2068,

0.3258

0.3072

419.7120, 0.2903,  
0.3260

1.2772, 0.1727,  
0.2959

0.1234, 0.0000,  
0.1450

78.7365, 0.2739,  
0.3233

78.7365, 0.2739,  
0.3233

74.9026, 0.2608,  
0.3208

83.1098, 0.2881,  
0.3256

71.5712, 0.2492,  
0.3183

88.0383, 0.3032,  
0.3278

68.7158, 0.2392,  
0.3156

93.5488, 0.3188,  
0.3297

66.3032, 0.2312,  
0.3129

94.8158, 0.3190,  
0.3316

■ 64.2962, 0.2250,  
0.3101

■ 96.0070, 0.3188,  
0.3334

■ 62.6511, 0.2208,  
0.3074

■ 97.2104, 0.3187,  
0.3353

■ 61.3136, 0.2184,  
0.3048

■ 98.4262, 0.3186,  
0.3371

■ 60.8453, 0.2177,  
0.3037

■ 99.3749, 0.3185,  
0.3385

# Harmonies

## Analogous

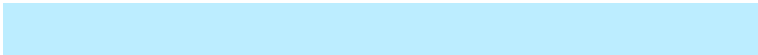
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7365, 0.2882, 0.3446



78.7365, 0.2739, 0.3233



78.7365, 0.2697, 0.3046

# Triad

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



78.7365, 0.2739, 0.3233



78.7365, 0.3149, 0.2990



78.7365, 0.3498, 0.3648

# Complementary

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



78.7365, 0.2739, 0.3233



57.9020, 0.3675, 0.3346

# 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.



78.7365, 0.3577, 0.3511



78.7365, 0.2739, 0.3233



78.7365, 0.3372, 0.3138

# Square

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



78.7365, 0.2739, 0.3233



78.7365, 0.2927, 0.2916



78.7365, 0.3531, 0.3325



78.7365, 0.3319, 0.3692

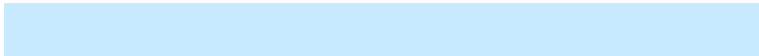


# Rectangle

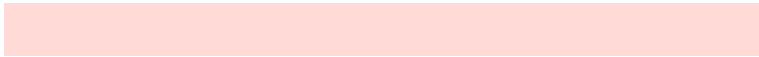
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7365, 0.2739, 0.3233



78.7365, 0.2730, 0.2961



78.7365, 0.3531, 0.3325



78.7365, 0.3537, 0.3611

# Sweetspot

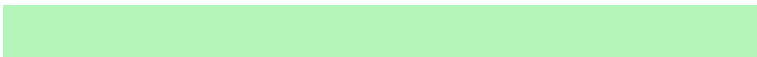
The Sweet Spot groups the original color and five complimentary colors.



78.7397, 0.2739, 0.3233



95.3132, 0.3003, 0.3274



78.6700, 0.3068, 0.3989



20.2221, 0.2980, 0.3271



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.



78.7397, 0.2739, 0.3233



84.0557, 0.2673, 0.3221



61.9064, 0.2705, 0.2873



18.5213, 0.2981, 0.3271



32.8619, 0.2178, 0.3042



2.9533, 0.2188, 0.3075



# Inverse Universe

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



58.7677, 0.3196, 0.2686



59.1165, 0.3211, 0.2571



72.5365, 0.3591, 0.3674



16.7445, 0.3150, 0.3075



13.4168, 0.3418, 0.1656

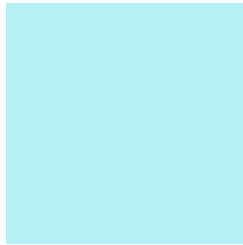


1.1858, 0.3389, 0.1640



# Previews

## White Background



This preview shows how the Yxy color 78.7365, 0.2739, 0.3233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

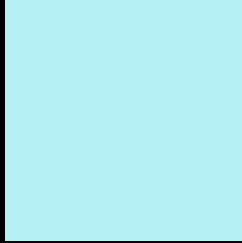
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7365, 0.2739, 0.3233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

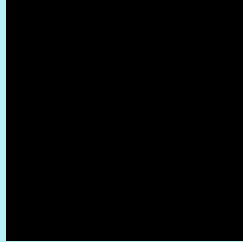
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.7365, 0.2739, 0.3233**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7365, 0.2739, 0.3233.

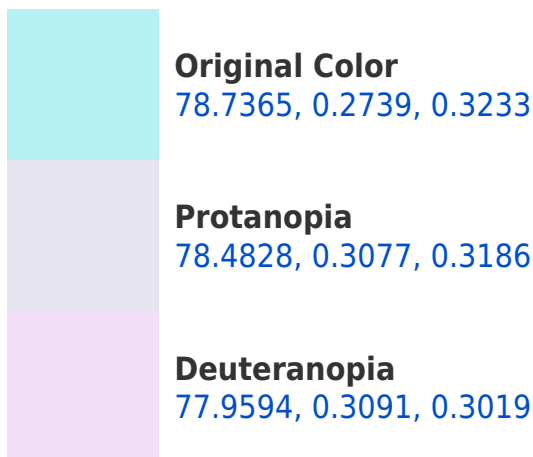


This preview shows how white text looks on a background with the Yxy color 78.7365, 0.2739, 0.3233.

# 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

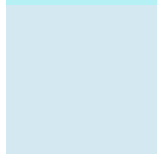
78.4797, 0.2723, 0.3094

# Trichromacy



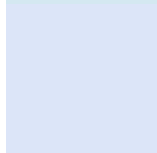
## Original Color

78.7365, 0.2739, 0.3233



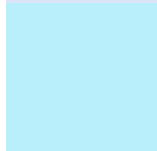
## Protanomaly

78.0611, 0.2941, 0.3193



## Deuteranomaly

78.0316, 0.2950, 0.3091



## Tritanomaly

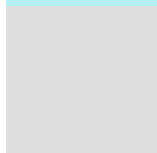
78.4284, 0.2728, 0.3147

# Monochromacy



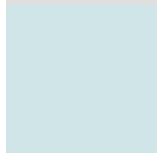
## Original Color

78.7365, 0.2739, 0.3233



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.2180, 0.2974, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7365, 0.2739, 0.3233 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(181, 240, 245)` looks like.

```
.text, #text, p{  
    color:rgb(181, 240, 245)  
}
```

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(181, 240, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 240, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7365, 0.2739, 0.3233 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(181, 240, 245) }
```

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

```
.border{ border-color:rgb(181, 240, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 240, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 240, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 240, 245);  
box-shadow:4px 4px 4px 4px rgb(181, 240,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7365, 0.2739, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 240, 245) }
```

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

```
.background{ background-color: rgb(181,  
240, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor