

# Converting Colors

$Yxy(74.6137, 0.2783, 0.3417)$

Have a look what the booklet for  
Yxy(74.6137, 0.2783, 0.3417)  
contains.

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# Color

**Yxy(74.7173, 0.2780, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEDE2
RGB	171, 237, 226
RGB Percent	67%, 93%, 89%
CMY	0.3298, 0.0705, 0.1138
CMYK	0.28, 0.00, 0.05, 0.07
HSL	170°, 65%, 80%
HSV	170°, 28%, 93%
XYZ	60.7884, 74.7173, 83.1577
YIQ	216.0120, -35.8050, -17.4130

# Conversions

## Conversions Part 2

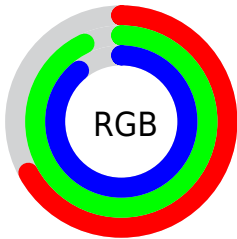
Format	Color
<b>RYB</b>	171, 207, 237
Decimal	11267554
CIELab	89.26, -22.92, -1.33
CIELCh	89, 22.959, 183.324
Yxy	74.7173, 0.2780, 0.3417
Android (android.graphics.Color)	4289457634 (0xFFABE2E2)
YUV	216.0120, 4.9241, -39.4755
Hunter-Lab	86.4392, -25.7382, 3.4682

# Details

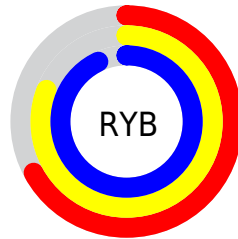
The Yxy color **74.7173, 0.2780, 0.3417** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.4734, 0.3636, 0.3168**, and the grayscale version is **68.6502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **39.7699, 0.2701, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **72.0801, 0.2674, 0.3470**, and if you desaturate by 10%, it is **77.8427, 0.2898, 0.3368**.

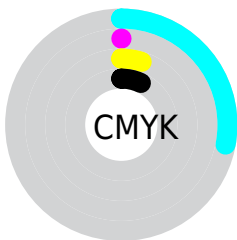
# Distribution



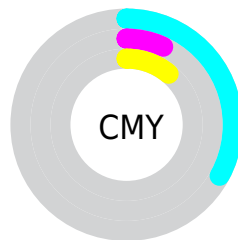
- Red (67%)
- Green (93%)
- Blue (89%)



- Red (67%)
- Yellow (81%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)




- Cyan (33%)
- Magenta (7%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7173, 0.2780, 0.3417 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 74.7173, 0.2780, 0.3417 by changing the saturation by 10% instead.





 74.7173, 0.2780,  
0.3417

 74.7173, 0.2780,  
0.3417


476.9453, 0.2939,  
0.3359

 55.3813, 0.2744,  
0.3430


 125.9121, 0.2835,  
0.3397

 39.7071, 0.2700,  
0.3446


158.5397, 0.2856,  
0.3389

 27.3103, 0.2644,  
0.3465


196.3667, 0.2875,  
0.3383

 17.8064, 0.2571,  
0.3491

239.7774, 0.2891,  
0.3377

 10.8111, 0.2473,  
0.3525

289.1562, 0.2905,  
0.3372

 5.9399, 0.2334,  
0.3573


344.8875, 0.2918,

 2.8086, 0.2121,


0.3367


0.3644


407.3558, 0.2929,  
0.3363


 1.0326, 0.1549,  
0.3856

 0.0000, 0.0000,  
0.0000


 74.7173, 0.2780,  
0.3417


 74.7173, 0.2780,  
0.3417


 72.0801, 0.2674,  
0.3470


 77.8427, 0.2898,  
0.3368


 69.8965, 0.2582,  
0.3525


 81.4709, 0.3024,  
0.3323


 68.1416, 0.2507,  
0.3584


 85.6270, 0.3155,  
0.3282

 66.7843, 0.2451,  
0.3643


 88.2428, 0.3217,  
0.3244

 65.7894, 0.2415,  
0.3704


 88.4829, 0.3193,  
0.3205

 65.1154, 0.2398,  
0.3764

 88.7283, 0.3168,  
0.3167

 64.7055, 0.2398,  
0.3823

 88.9788, 0.3143,  
0.3130

 64.6349, 0.2399,  
0.3836

 89.0630, 0.3135,  
0.3117

# Harmonies

## Analogous

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



74.7173, 0.3018, 0.3648



74.7173, 0.2780, 0.3417



74.7173, 0.2636, 0.3158

# Triad

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



74.7173, 0.2780, 0.3417



74.7173, 0.2945, 0.2854



74.7173, 0.3662, 0.3602

# Complementary

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



74.7173, 0.2780, 0.3417



50.4734, 0.3636, 0.3168

# 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.



74.7173, 0.3644, 0.3386



74.7173, 0.2780, 0.3417



74.7173, 0.3220, 0.2967

# Square

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



74.7173, 0.2780, 0.3417



74.7173, 0.2728, 0.2845



74.7173, 0.3479, 0.3158



74.7173, 0.3531, 0.3748

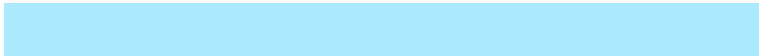


# Rectangle

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



74.7173, 0.2780, 0.3417



74.7173, 0.2610, 0.3010



74.7173, 0.3479, 0.3158



74.7173, 0.3673, 0.3535

# Sweetspot

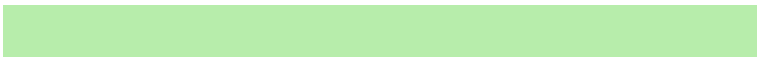
The Sweet Spot groups the original color and five complimentary colors.



74.7203, 0.2780, 0.3417



96.1167, 0.3022, 0.3323



73.5901, 0.3168, 0.4079



20.4263, 0.3002, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

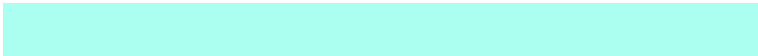


# Same Dimension

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



74.7203, 0.2780, 0.3417



86.5090, 0.2723, 0.3444



63.9192, 0.2697, 0.3043



17.0762, 0.3003, 0.3330



35.2966, 0.2396, 0.3826



2.7831, 0.2373, 0.3743



# Inverse Universe

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



50.4734, 0.3636, 0.3168



53.8277, 0.3769, 0.3144



58.5755, 0.3675, 0.3524



15.0951, 0.3267, 0.3251



9.9247, 0.6154, 0.3164

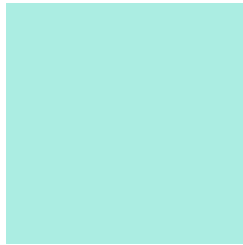


0.7915, 0.5800, 0.2969



# Previews

## White Background



This preview shows how the Yxy color 74.7173, 0.2780, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

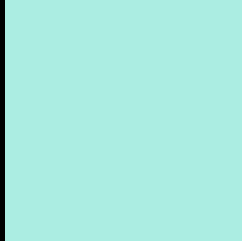
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7173, 0.2780, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

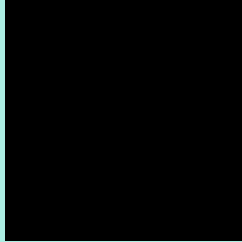
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

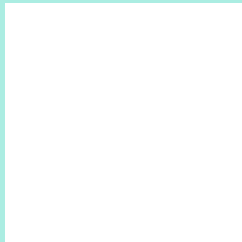
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7173, 0.2780, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7173, 0.2780, 0.3417.

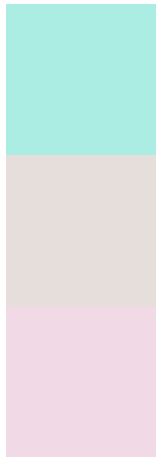


This preview shows how white text looks on a background with the Yxy color 74.7173, 0.2780, 0.3417.

# 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

74.7173, 0.2780, 0.3417

### Protanopia

73.9625, 0.3204, 0.3333

### Deuteranopia

74.2161, 0.3220, 0.3156



## Tritanopia

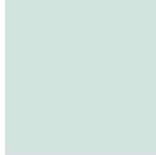
74.6532, 0.2673, 0.3077

# Trichromacy



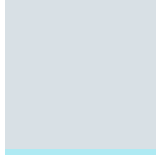
## Original Color

74.7173, 0.2780, 0.3417



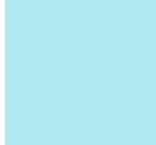
## Protanomaly

73.5685, 0.3035, 0.3356



## Deuteranomaly

73.5674, 0.3040, 0.3236



## Tritanomaly

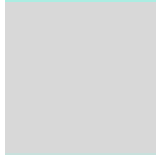
74.4307, 0.2710, 0.3187

# Monochromacy



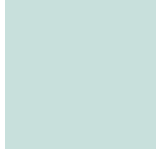
## Original Color

74.7173, 0.2780, 0.3417



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.7580, 0.2988, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7173, 0.2780, 0.3417 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(171, 237, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 226)  
}
```

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(171, 237, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7173, 0.2780, 0.3417 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(171, 237, 226) }
```

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

```
.border{ border-color:rgb(171, 237, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 226);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7173, 0.2780, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 226) }
```

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

```
.background{ background-color: rgb(171,  
237, 226) }
```

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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