

# Converting Colors

$Y_{xy}(81.8289, 0.2729, 0.3369)$

Have a look what the booklet for  
Yxy(81.8289, 0.2729, 0.3369)  
contains.

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# Color

**Yxy(81.6970, 0.2729, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADF7F0
RGB	173, 247, 240
RGB Percent	68%, 97%, 94%
CMY	0.3217, 0.0313, 0.0588
CMYK	0.30, 0.00, 0.03, 0.03
HSL	174°, 82%, 82%
HSV	174°, 30%, 97%
XYZ	66.2165, 81.6970, 94.7268
YIQ	224.0760, -41.8570, -17.8650

# Conversions

## Conversions Part 2

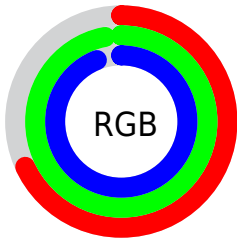
Format	Color
<b>RYB</b>	173, 212, 247
Decimal	11401200
CIELab	92.44, -24.17, -3.96
CIELCh	92, 24.493, 189.304
Yxy	81.6970, 0.2729, 0.3367
Android (android.graphics.Color)	4289591280 (0xFFADF7F0)
YUV	224.0760, 7.8505, -44.7937
Hunter-Lab	90.3864, -27.4081, 1.1333

# Details

The Yxy color **81.6970, 0.2729, 0.3367** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.9408, 0.3738, 0.3216**, and the grayscale version is **74.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **44.1392, 0.2642, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **79.0029, 0.2619, 0.3397**, and if you desaturate by 10%, it is **84.9200, 0.2853, 0.3339**.

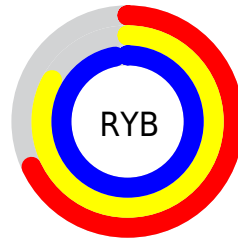
# Distribution



Red (68%)

Green (97%)

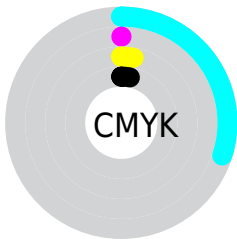
Blue (94%)



Red (68%)

Yellow (83%)

Blue (97%)

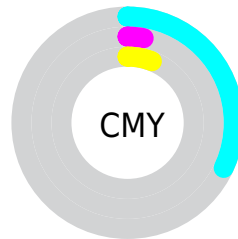


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (3%)



Cyan (32%)

Magenta (3%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6970, 0.2729, 0.3367 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 81.6970, 0.2729, 0.3367 by changing the saturation by 10% instead.





 81.6970, 0.2729,  
0.3367

 81.6970, 0.2729,  
0.3367


500.6336, 0.2908,  
0.3334

 61.1158, 0.2689,  
0.3374


 135.7490, 0.2790,  
0.3356

 44.3186, 0.2641,  
0.3382

169.9886, 0.2814,  
0.3352

 30.9211, 0.2581,  
0.3392


209.5498, 0.2835,  
0.3348

 20.5388, 0.2504,  
0.3404

254.8170, 0.2853,  
0.3345

 12.7873, 0.2401,  
0.3419

306.1746, 0.2869,  
0.3342

 7.2822, 0.2259,  
0.3438


364.0070, 0.2884,


 3.6392, 0.2051,


0.3339

0.3462


428.6985, 0.2896,  
0.3336


 1.4739, 0.1704,  
0.3494


 0.2702, 0.0000,  
0.3212


 81.6970, 0.2729,  
0.3367


 81.6970, 0.2729,  
0.3367


 79.0029, 0.2619,  
0.3397

 84.9200, 0.2853,  
0.3339


 76.7990, 0.2524,  
0.3428


 88.6885, 0.2986,  
0.3313


 75.0571, 0.2448,  
0.3460


 93.0305, 0.3127,  
0.3290

 73.7420, 0.2391,  
0.3492


 94.6502, 0.3164,  
0.3268

 72.8135, 0.2353,  
0.3525

 94.7971, 0.3150,  
0.3245

 72.2238, 0.2334,  
0.3558

 94.9457, 0.3137,  
0.3223

 71.8933, 0.2331,  
0.3590

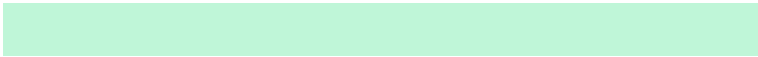
 95.0087, 0.3131,  
0.3214

 71.8927, 0.2331,  
0.3590

# Harmonies

## Analogous

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



81.6970, 0.2960, 0.3621



81.6970, 0.2729, 0.3367



81.6970, 0.2605, 0.3103

# Triad

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



81.6970, 0.2729, 0.3367



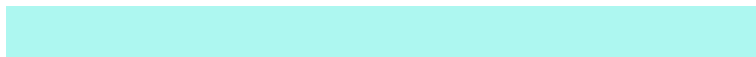
81.6970, 0.2993, 0.2855



81.6970, 0.3665, 0.3650

# Complementary

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



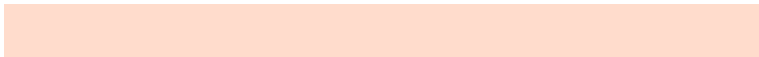
81.6970, 0.2729, 0.3367



52.9408, 0.3738, 0.3216

# 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.



81.6970, 0.3679, 0.3436



81.6970, 0.2729, 0.3367



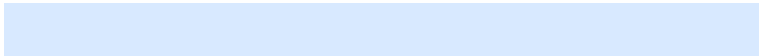
81.6970, 0.3281, 0.2990

# Square

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



81.6970, 0.2729, 0.3367



81.6970, 0.2752, 0.2823



81.6970, 0.3536, 0.3198



81.6970, 0.3503, 0.3780

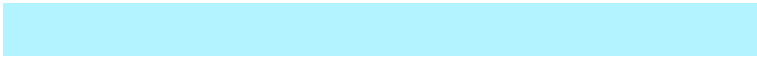


# Rectangle

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



81.6970, 0.2729, 0.3367



81.6970, 0.2595, 0.2962



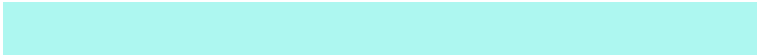
81.6970, 0.3536, 0.3198



81.6970, 0.3688, 0.3585

# Sweetspot

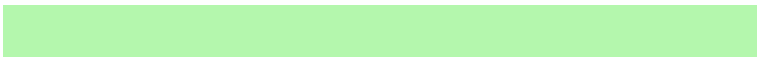
The Sweet Spot groups the original color and five complimentary colors.



81.7003, 0.2729, 0.3367



95.7653, 0.3000, 0.3311



79.2912, 0.3132, 0.4158



20.3614, 0.2980, 0.3315



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

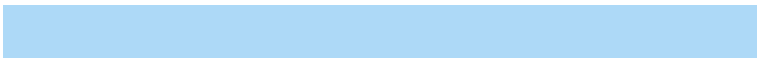
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7003, 0.2729, 0.3367



86.0015, 0.2660, 0.3385



65.4227, 0.2656, 0.2949



18.7292, 0.2993, 0.3312



38.0291, 0.2329, 0.3584



3.3501, 0.2318, 0.3544



# Inverse Universe

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



52.9408, 0.3738, 0.3216



50.4992, 0.3918, 0.3201



65.3053, 0.3709, 0.3607



16.5079, 0.3279, 0.3268



10.5002, 0.6294, 0.3241

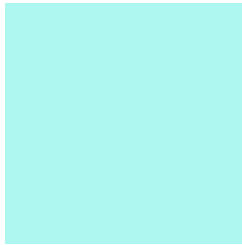


0.9313, 0.6069, 0.3117



# Previews

## White Background



This preview shows how the Yxy color 81.6970, 0.2729, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

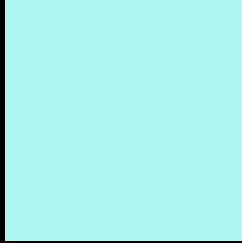
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6970, 0.2729, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

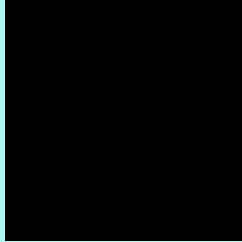
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.6970, 0.2729, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6970, 0.2729, 0.3367.

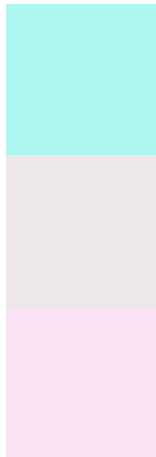


This preview shows how white text looks on a background with the Yxy color 81.6970, 0.2729, 0.3367.

# 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

81.6970, 0.2729, 0.3367

### Protanopia

80.9259, 0.3168, 0.3290

### Deuteranopia

81.0641, 0.3170, 0.3111



## Tritanopia

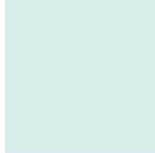
81.7327, 0.2766, 0.3140

# Trichromacy



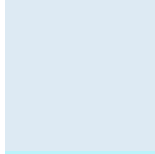
## Original Color

81.6970, 0.2729, 0.3367



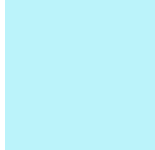
## Protanomaly

80.8050, 0.2995, 0.3322



## Deuteranomaly

80.6889, 0.2987, 0.3196



## Tritanomaly

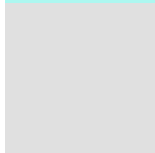
81.5681, 0.2749, 0.3213

# Monochromacy



## Original Color

81.6970, 0.2729, 0.3367



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

76.4055, 0.2961, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6970, 0.2729, 0.3367 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(173, 247, 240)` looks like.

```
.text, #text, p{  
    color:rgb(173, 247, 240)  
}
```

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(173, 247, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 247, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6970, 0.2729, 0.3367 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(173, 247, 240) }
```

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

```
.border{ border-color:rgb(173, 247, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 247, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 247, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 247, 240);  
box-shadow:4px 4px 4px 4px rgb(173, 247,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6970, 0.2729, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 247, 240) }
```

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

```
.background{ background-color: rgb(173,  
247, 240) }
```

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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