

# Converting Colors

$Y_{xy}(71.3672, 0.2915, 0.2970)$

Have a look what the booklet for  
Yxy(71.3672, 0.2915, 0.2970)  
contains.

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# Color

**Yxy(71.3672, 0.2915, 0.2970)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D7DAF8
RGB	215, 218, 248
RGB Percent	84%, 85%, 97%
CMY	0.1567, 0.1451, 0.0275
CMYK	0.13, 0.12, 0.00, 0.03
HSL	235°, 70%, 91%
HSV	235°, 13%, 97%
XYZ	70.0456, 71.3672, 98.8808
YIQ	220.5230, -11.4180, 8.6940

# Conversions

## Conversions Part 2

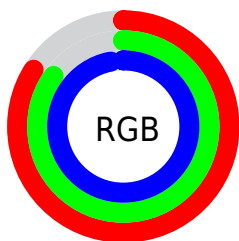
Format	Color
<a href="#">RYB</a>	<a href="#">215, 218, 248</a>
Decimal	<a href="#">14146296</a>
CIELab	<a href="#">87.66, 4.81, -14.95</a>
CIELCh	<a href="#">88, 15.703, 287.828</a>
Yxy	<a href="#">71.3672, 0.2915, 0.2970</a>
Android (android.graphics.Color)	<a href="#">4292336376</a> (0xFFD7DAF8)
YUV	<a href="#">220.5230, 13.5462, -4.8437</a>
Hunter-Lab	<a href="#">84.4791, 0.1643, -10.2622</a>

# Details

The Yxy color 71.3672, 0.2915, 0.2970 is a light color, and the websafe version is hex CCCCFF. A complement of this color would be 90.1877, 0.3330, 0.3591, and the grayscale version is 71.8692, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 37.4737, 0.2860, 0.2889 is the 20% darker color. If you saturate the color by 10%, you get 56.9742, 0.2734, 0.2693, and if you desaturate by 10%, it is 87.9296, 0.3078, 0.3216.

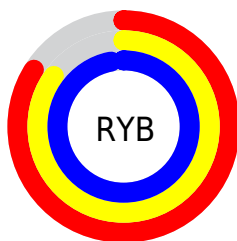
# Distribution



Red (84%)

Green (85%)

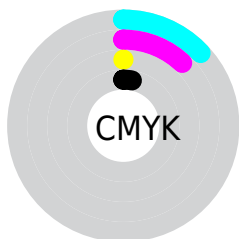
Blue (97%)



Red (84%)

Yellow (85%)

Blue (97%)

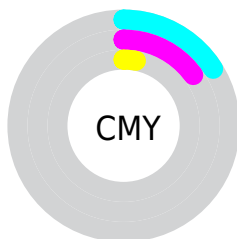


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (3%)



Cyan (16%)

Magenta (15%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3672, 0.2915, 0.2970 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 71.3672, 0.2915, 0.2970 by changing the saturation by 10% instead.




 71.3672, 0.2915,  
0.2970

 71.3672, 0.2915,  
0.2970

465.3360, 0.3014,  
0.3117

 52.6419, 0.2892,  
0.2937


121.1564, 0.2949,  
0.3021

 37.5170, 0.2864,  
0.2896


152.9892, 0.2963,  
0.3040

 25.6080, 0.2829,  
0.2845


189.9598, 0.2974,  
0.3057

 16.5306, 0.2783,  
0.2779

232.4528, 0.2984,  
0.3072

 9.9004, 0.2720,  
0.2690

280.8526, 0.2993,  
0.3085

 5.3330, 0.2629,  
0.2564


335.5434, 0.3001,


 2.4439, 0.2487,


0.3097

0.2373

396.9098, 0.3007,  
0.3107

 0.8484, 0.2242,  
0.2053

 0.0000, 0.0000,  
0.0000

 71.3672, 0.2915,  
0.2970


 71.3672, 0.2915,  
0.2970


 56.9742, 0.2734,  
0.2693

 87.9296, 0.3078,  
0.3216

 44.6522, 0.2538,  
0.2387

 99.5567, 0.3168,  
0.3357

 34.3083, 0.2331,  
0.2061

 25.8391, 0.2124,  
0.1725

■ 19.1319, 0.1928,  
0.1401

■ 14.0617, 0.1758,  
0.1110

■ 10.4868, 0.1627,  
0.0876

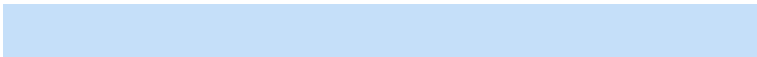
■ 8.2411, 0.1544,  
0.0713

■ 7.3601, 0.1513,  
0.0646

# Harmonies

## Analogous

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



71.3672, 0.2797, 0.3009



71.3672, 0.2915, 0.2970



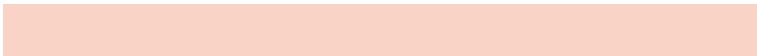
71.3672, 0.3093, 0.3012

# Triad

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



71.3672, 0.2915, 0.2970



71.3672, 0.3504, 0.3438



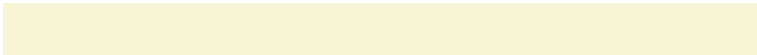
71.3672, 0.2966, 0.3466

# Complementary

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



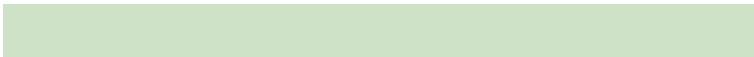
71.3672, 0.2915, 0.2970



90.1877, 0.3330, 0.3591

# 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.



71.3672, 0.3153, 0.3590



71.3672, 0.2915, 0.2970



71.3672, 0.3466, 0.3567

# Square

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



71.3672, 0.2915, 0.2970



71.3672, 0.3437, 0.3276



71.3672, 0.3336, 0.3626



71.3672, 0.2826, 0.3292



# Rectangle

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



71.3672, 0.2915, 0.2970



71.3672, 0.3222, 0.3080



71.3672, 0.3336, 0.3626



71.3672, 0.3025, 0.3515

# Sweetspot

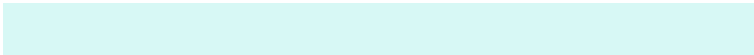
The Sweet Spot groups the original color and five complimentary colors.



71.3702, 0.2915, 0.2970



92.3349, 0.3067, 0.3199



88.1553, 0.2942, 0.3324



19.4641, 0.3055, 0.3182



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.



71.3702, 0.2915, 0.2970



71.6169, 0.2867, 0.2897



71.9273, 0.3004, 0.2947



16.8933, 0.2979, 0.3067



4.0599, 0.1516, 0.0658



0.4583, 0.1551, 0.0783



# Inverse Universe

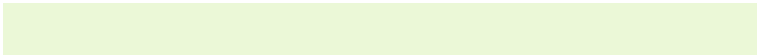
The Inverse Universe completely reimagines the original color for something new.



73.6371, 0.3350, 0.3260



74.5091, 0.3405, 0.3254



89.6665, 0.3239, 0.3629



17.2505, 0.3280, 0.3269



10.8207, 0.6302, 0.3245

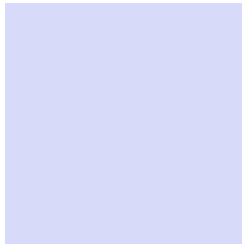


1.0105, 0.6096, 0.3132



# Previews

## White Background



This preview shows how the Yxy color 71.3672, 0.2915, 0.2970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

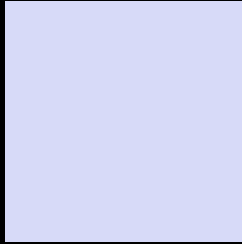
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.3672, 0.2915, 0.2970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

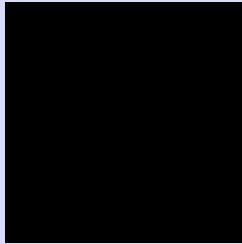
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.3672, 0.2915, 0.2970**

## Background



This preview shows how black text looks on a background with the Yxy color 71.3672, 0.2915, 0.2970.

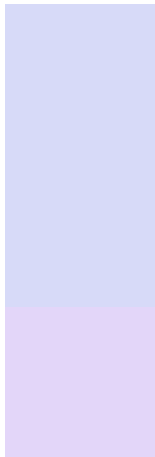


This preview shows how white text looks on a background with the Yxy color 71.3672, 0.2915, 0.2970.

# 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

71.3672, 0.2915, 0.2970

### Protanopia

71.3672, 0.2915, 0.2970

### Deuteranopia

71.2636, 0.2989, 0.2925



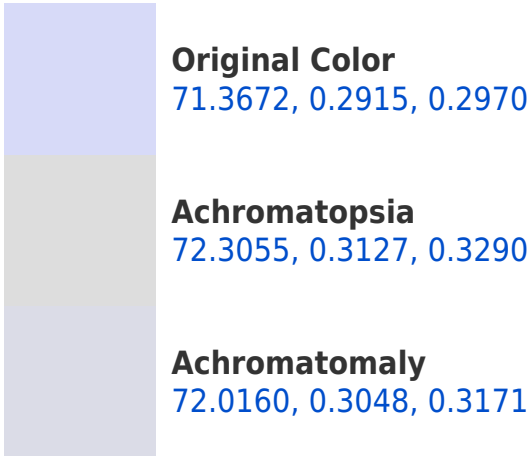
## Tritanopia

71.4470, 0.2969, 0.3105

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3672, 0.2915, 0.2970 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(215, 218, 248) looks like.

```
.text, #text, p{  
    color:rgb(215, 218, 248)  
}
```

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(215, 218, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 218, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3672, 0.2915, 0.2970 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(215, 218, 248) }
```

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

```
.border{ border-color:rgb(215, 218, 248) }
```

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

Here you see how a box with a 4 pixel rgb(215, 218, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 218, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 218, 248);  
box-shadow:4px 4px 4px 4px rgb(215, 218,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3672, 0.2915, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 218, 248) }
```

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

```
.background{ background-color: rgb(215,  
218, 248) }
```

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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