

# Converting Colors

$Yxy(70.5857, 0.3153, 0.3350)$

Have a look what the booklet for  
Yxy(70.5857, 0.3153, 0.3350)  
contains.

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# Color

**Yxy(70.4235, 0.3153, 0.3345)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | DADBD6                    |
| RGB         | 218, 219, 214             |
| RGB Percent | 85%, 86%, 84%             |
| CMY         | 0.1452, 0.1411, 0.1607    |
| CMYK        | 0.00, 0.00, 0.02, 0.14    |
| HSL         | 72°, 6%, 85%              |
| HSV         | 72°, 2%, 86%              |
| XYZ         | 66.3813, 70.4235, 73.7289 |
| YIQ         | 218.1310, 1.0090, -1.7670 |

# Conversions

## Conversions Part 2

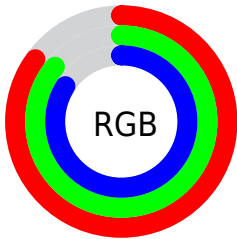
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>Y</sub>B</b>               | 214, 219, 215                 |
| Decimal                             | 14343126                      |
| CIE Lab                             | 87.20, -1.23, 2.31            |
| CIE LCh                             | 87, 2.619, 118.033            |
| Yxy                                 | 70.4235, 0.3153,<br>0.3345    |
| Android<br>(android.graphics.Color) | 4292533206<br>(0xFFDADB D6)   |
| YUV                                 | 218.1310, -2.0366,<br>-0.1149 |
| Hunter-Lab                          | 83.9187, -5.6609,<br>6.6524   |

# Details

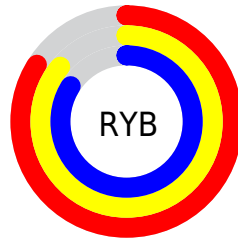
The Yxy color **70.4235, 0.3153, 0.3345** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6755, 0.3101, 0.3235**, and the grayscale version is **70.2211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8407, 0.3161, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **68.6973, 0.3268, 0.3596**, and if you desaturate by 10%, it is **72.3251, 0.3041, 0.3110**.

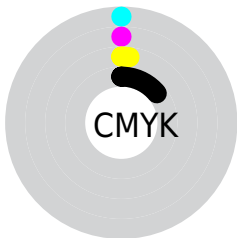
# Distribution



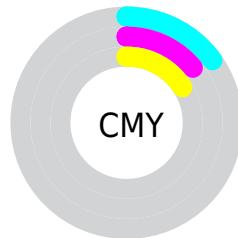
- Red (85%)
- Green (86%)
- Blue (84%)



- Red (84%)
- Yellow (86%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (15%)
- Magenta (14%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4235, 0.3153, 0.3345 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 70.4235, 0.3153, 0.3345 by changing the saturation by 10% instead.



■ 70.4235, 0.3153,  
0.3345

■ 70.4235, 0.3153,  
0.3345

462.0356, 0.3141,  
0.3319

■ 51.8719, 0.3156,  
0.3351

119.8125, 0.3149,  
0.3336

■ 36.9030, 0.3159,  
0.3358

151.4186, 0.3147,  
0.3333

■ 25.1324, 0.3163,  
0.3368

188.1451, 0.3146,  
0.3330

■ 16.1757, 0.3169,  
0.3380

230.3762, 0.3145,  
0.3327

■ 9.6486, 0.3177,  
0.3397

278.4965, 0.3144,  
0.3325

■ 5.1666, 0.3188,  
0.3422

332.8902, 0.3143,

■ 2.3453, 0.3207,

0.3323

0.3462

393.9417, 0.3142,  
0.3321

0.7975, 0.3261,  
0.3573

0.0000, 0.0000,  
0.0000

70.4235, 0.3153,  
0.3345

70.4235, 0.3153,  
0.3345

68.6973, 0.3268,  
0.3596

72.3251, 0.3041,  
0.3110

67.1312, 0.3385,  
0.3858

74.2152, 0.2952,  
0.2919

65.7218, 0.3498,  
0.4124

74.9564, 0.2982,  
0.2922

64.4621, 0.3603,  
0.4387

75.7168, 0.3013,  
0.2926

63.3446, 0.3695,  
0.4636

76.4966, 0.3043,  
0.2929

62.3609, 0.3769,  
0.4860

77.2959, 0.3074,  
0.2932

61.5017, 0.3820,  
0.5048

78.1149, 0.3105,  
0.2936

60.7565, 0.3845,  
0.5193

78.9538, 0.3136,  
0.2939

60.1124, 0.3844,  
0.5291

79.1472, 0.3144,  
0.2940

# Harmonies

## Analogous

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



70.4235, 0.3178, 0.3342



70.4235, 0.3153, 0.3345



70.4235, 0.3121, 0.3333

# Triad

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



70.4235, 0.3153, 0.3345



70.4235, 0.3065, 0.3255



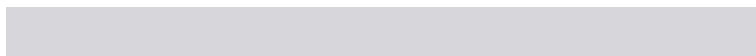
70.4235, 0.3164, 0.3270

# Complementary

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



70.4235, 0.3153, 0.3345



67.6755, 0.3101, 0.3235

# 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.



70.4235, 0.3133, 0.3248



70.4235, 0.3153, 0.3345



70.4235, 0.3077, 0.3239

# Square

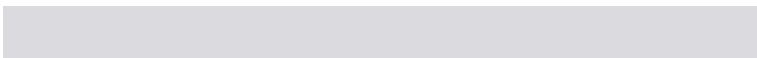
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



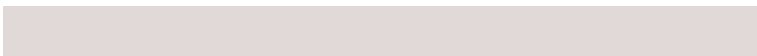
70.4235, 0.3153, 0.3345



70.4235, 0.3071, 0.3282



70.4235, 0.3101, 0.3236



70.4235, 0.3184, 0.3298



# Rectangle

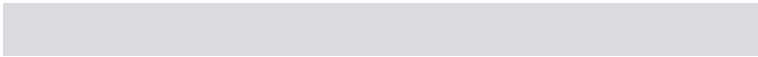
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4235, 0.3153, 0.3345



70.4235, 0.3100, 0.3319



70.4235, 0.3101, 0.3236



70.4235, 0.3154, 0.3262

# Sweetspot

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



70.4265, 0.3153, 0.3345



99.7376, 0.3139, 0.3314



68.5298, 0.3163, 0.3301



21.3507, 0.3138, 0.3313



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.



70.4265, 0.3153, 0.3345



99.2202, 0.3162, 0.3363



70.0495, 0.3135, 0.3345



15.3371, 0.3170, 0.3382



35.4251, 0.3836, 0.5336

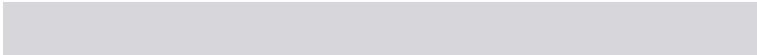


2.3298, 0.3897, 0.5288



# Inverse Universe

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



67.6755, 0.3101, 0.3235



94.0811, 0.3092, 0.3216



68.0515, 0.3119, 0.3235



14.3495, 0.3083, 0.3197



3.4009, 0.1606, 0.0658

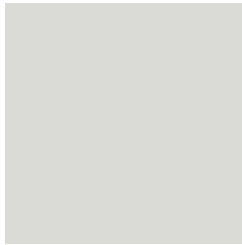


0.2573, 0.1761, 0.0744



# Previews

## White Background



This preview shows how the Yxy color 70.4235, 0.3153, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

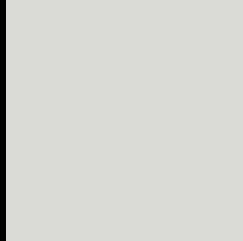
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4235, 0.3153, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

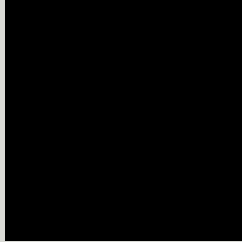
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

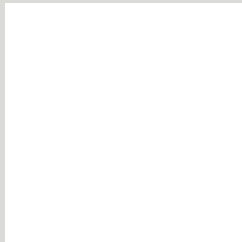
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4235, 0.3153, 0.3345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4235, 0.3153, 0.3345.

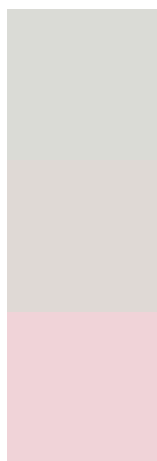


This preview shows how white text looks on a background with the Yxy color 70.4235, 0.3153, 0.3345.

# 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

70.4235, 0.3153, 0.3345

### Protanopia

70.1178, 0.3198, 0.3334

### Deuteranopia

70.0717, 0.3310, 0.3238



## Tritanopia

70.3671, 0.3050, 0.3107

# Trichromacy



## Original Color

70.4235, 0.3153, 0.3345

## Protanomaly

70.3191, 0.3182, 0.3345

## Deuteranomaly

70.1552, 0.3253, 0.3280

## Tritanomaly

70.3323, 0.3089, 0.3192

# Monochromacy



## Original Color

70.4235, 0.3153, 0.3345

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.0580, 0.3134, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4235, 0.3153, 0.3345 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(218, 219, 214)` looks like.

```
.text, #text, p{  
    color:rgb(218, 219, 214)  
}
```

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(218, 219, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 219, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4235, 0.3153, 0.3345 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(218, 219, 214) }
```

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

```
.border{ border-color:rgb(218, 219, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 219, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 219, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 219, 214);  
box-shadow:4px 4px 4px 4px rgb(218, 219,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4235, 0.3153, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 219, 214) }
```

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

```
.background{ background-color: rgb(218,  
219, 214) }
```

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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